

Supplemental Table S4. Summary of PagLBD21 DAP-seq binding sites and target genes

genes	seqnames	start	end	width	strand	score	blockCount	thick	sta
Potri.001Chr01		929145	929398	254	*	215	139		5
Potri.001Chr01		1854598	1854819	222	*	178	121		2
Potri.001Chr01		2425062	2425323	262	*	198	127		4
Potri.001Chr01		2561159	2561423	265	*	195	131		4
Potri.001Chr01		3620015	3620238	224	*	269	126		4
Potri.001Chr01		3625622	3625833	212	*	211	102		3
Potri.001Chr01		3657896	3658137	242	*	176	152		4
Potri.001Chr01		3867742	3868246	505	*	182	112		3
Potri.001Chr01		4424567	4425087	521	*	446	124		3
Potri.001Chr01		4467168	4467691	524	*	172	127		4
Potri.001Chr01		4727100	4727366	267	*	175	133		4
Potri.001Chr01		4738452	4738686	235	*	202	127		4
Potri.001Chr01		4817439	4817822	384	*	178	195		3
Potri.001Chr01		5083634	5083924	291	*	572	155		4
Potri.001Chr01		5164245	5164447	203	*	177	88		4
Potri.001Chr01		5518387	5518682	296	*	212	125		5
Potri.001Chr01		5532327	5532761	435	*	190	119		4
Potri.001Chr01		5594344	5594619	276	*	196	132		3
Potri.001Chr01		5701321	5701540	220	*	174	119		3
Potri.001Chr01		5713056	5713314	259	*	172	121		4
Potri.001Chr01		6538430	6538652	223	*	249	101		3
Potri.001Chr01		6611503	6611833	331	*	188	173		4
Potri.001Chr01		6820209	6820675	467	*	235	343		4
Potri.001Chr01		7118166	7118428	263	*	243	122		5
Potri.001Chr01		7162426	7162900	475	*	197	326		3
Potri.001Chr01		7165158	7165391	234	*	199	135		4
Potri.001Chr01		7202933	7203201	269	*	192	159		4
Potri.001Chr01		8135630	8135930	301	*	200	137		3
Potri.001Chr01		8148327	8148541	215	*	201	120		3
Potri.001Chr01		8565216	8565441	226	*	168	104		5
Potri.001Chr01		9211692	9211926	235	*	192	84		4
Potri.001Chr01		9221095	9221365	271	*	177	120		4
Potri.001Chr01		9499008	9499299	292	*	316	128		5
Potri.001Chr01		9531364	9531614	251	*	214	116		4
Potri.001Chr01		9856180	9856473	294	*	174	107		3
Potri.001Chr01		9965471	9965676	206	*	224	95		3
Potri.001Chr01		10709156	10709372	217	*	175	140		5
Potri.001Chr01		11014348	11014630	283	*	187	108		3
Potri.001Chr01		11304236	11304483	248	*	236	113		4
Potri.001Chr01		11491617	11491855	239	*	363	95		2
Potri.001Chr01		11563680	11564504	825	*	204	407		2
Potri.001Chr01		12180669	12180990	322	*	180	182		3
Potri.001Chr01		12720296	12720501	206	*	181	110		4
Potri.001Chr01		13282377	13282837	461	*	280	168		4
Potri.001Chr01		13557019	13557261	243	*	205	124		4
Potri.001Chr01		13980531	13980772	242	*	197	115		3
Potri.001Chr01		14228354	14228582	229	*	223	107		5
Potri.001Chr01		14800502	14800934	433	*	217	123		3
Potri.001Chr01		14994392	14994681	290	*	200	139		3
Potri.001Chr01		15234734	15234982	249	*	346	128		5
Potri.001Chr01		15548930	15549153	224	*	169	127		5

Potri. 001Chr01	15637732	15637979	248 *	178	144	4
Potri. 001Chr01	15654351	15654591	241 *	209	102	5
Potri. 001Chr01	16011573	16012004	432 *	318	121	3
Potri. 001Chr01	16056375	16056587	213 *	168	127	3
Potri. 001Chr01	16181800	16182105	306 *	191	118	3
Potri. 001Chr01	16391659	16391885	227 *	180	90	3
Potri. 001Chr01	17037292	17037893	602 *	169	456	3
Potri. 001Chr01	17235612	17235829	218 *	187	77	2
Potri. 001Chr01	17649304	17649878	575 *	419	424	2
Potri. 001Chr01	17695577	17695861	285 *	181	134	4
Potri. 001Chr01	18472258	18472463	206 *	197	93	3
Potri. 001Chr01	18787754	18787961	208 *	273	105	3
Potri. 001Chr01	18838615	18838831	217 *	213	129	5
Potri. 001Chr01	19166562	19166793	232 *	169	83	5
Potri. 001Chr01	19207721	19208080	360 *	203	197	4
Potri. 001Chr01	19232438	19232643	206 *	379	89	3
Potri. 001Chr01	19476930	19477297	368 *	200	177	3
Potri. 001Chr01	19852116	19852329	214 *	293	109	3
Potri. 001Chr01	20657701	20657911	211 *	248	104	3
Potri. 001Chr01	20747746	20748008	263 *	259	112	4
Potri. 001Chr01	20863611	20863873	263 *	230	118	5
Potri. 001Chr01	20932991	20933295	305 *	251	158	5
Potri. 001Chr01	20949693	20950171	479 *	340	125	4
Potri. 001Chr01	21094922	21095165	244 *	224	115	3
Potri. 001Chr01	21207549	21207852	304 *	237	141	4
Potri. 001Chr01	21285467	21285673	207 *	273	130	3
Potri. 001Chr01	21735628	21735845	218 *	264	100	5
Potri. 001Chr01	21767641	21767950	310 *	201	187	3
Potri. 001Chr01	21800187	21800454	268 *	285	112	4
Potri. 001Chr01	22029190	22029426	237 *	207	152	3
Potri. 001Chr01	22367111	22367349	239 *	235	117	4
Potri. 001Chr01	22654563	22655071	509 *	183	172	3
Potri. 001Chr01	22842446	22842664	219 *	230	143	4
Potri. 001Chr01	23053466	23054213	748 *	168	374	3
Potri. 001Chr01	24554688	24555000	313 *	244	154	5
Potri. 001Chr01	25022733	25023209	477 *	351	335	4
Potri. 001Chr01	25215327	25215574	248 *	214	111	4
Potri. 001Chr01	25376647	25376892	246 *	295	116	5
Potri. 001Chr01	25410497	25410992	496 *	222	378	4
Potri. 001Chr01	26022918	26023184	267 *	248	137	5
Potri. 001Chr01	26612929	26613158	230 *	530	122	3
Potri. 001Chr01	26784001	26784229	229 *	174	134	3
Potri. 001Chr01	26837013	26837229	217 *	201	120	3
Potri. 001Chr01	27287131	27287411	281 *	228	142	4
Potri. 001Chr01	27822169	27822501	333 *	349	159	5
Potri. 001Chr01	28014634	28014868	235 *	208	115	4
Potri. 001Chr01	28202924	28203134	211 *	445	76	3
Potri. 001Chr01	28406347	28406597	251 *	208	112	3
Potri. 001Chr01	28526866	28527090	225 *	178	115	3
Potri. 001Chr01	28647293	28647509	217 *	199	134	4
Potri. 001Chr01	28658989	28659248	260 *	193	166	4
Potri. 001Chr01	28984782	28985001	220 *	175	109	5
Potri. 001Chr01	29390817	29391164	348 *	294	153	2
Potri. 001Chr01	29742882	29743098	217 *	228	87	5

Potri. 001Chr01	31448791	31449151	361 *	203	144	3
Potri. 001Chr01	32048733	32049072	340 *	176	198	3
Potri. 001Chr01	33457592	33457805	214 *	342	98	3
Potri. 001Chr01	33570581	33570838	258 *	181	128	3
Potri. 001Chr01	33828568	33828801	234 *	215	118	4
Potri. 001Chr01	33915954	33916220	267 *	212	136	3
Potri. 001Chr01	33976105	33976353	249 *	171	84	3
Potri. 001Chr01	34176846	34177099	254 *	225	117	4
Potri. 001Chr01	34316537	34316817	281 *	208	161	4
Potri. 001Chr01	35232642	35233062	421 *	192	257	4
Potri. 001Chr01	35578650	35579245	596 *	170	341	3
Potri. 001Chr01	35923384	35923805	422 *	205	306	4
Potri. 001Chr01	36109221	36110150	930 *	193	813	3
Potri. 001Chr01	36668052	36668510	459 *	186	189	3
Potri. 001Chr01	36719265	36719591	327 *	187	177	3
Potri. 001Chr01	36773988	36774280	293 *	179	119	3
Potri. 001Chr01	37073017	37073239	223 *	181	114	4
Potri. 001Chr01	37170785	37170991	207 *	214	95	3
Potri. 001Chr01	37970166	37970480	315 *	296	158	5
Potri. 001Chr01	38195395	38195649	255 *	223	107	5
Potri. 001Chr01	38546782	38547340	559 *	204	457	4
Potri. 001Chr01	38581020	38581547	528 *	172	296	3
Potri. 001Chr01	38900271	38900501	231 *	306	164	6
Potri. 001Chr01	39441266	39441514	249 *	172	88	4
Potri. 001Chr01	39926911	39927281	371 *	169	187	3
Potri. 001Chr01	40086079	40086306	228 *	177	150	3
Potri. 001Chr01	40123073	40123282	210 *	322	75	3
Potri. 001Chr01	40943679	40943908	230 *	175	118	5
Potri. 001Chr01	41015949	41016244	296 *	527	145	3
Potri. 001Chr01	41352508	41352709	202 *	175	107	4
Potri. 001Chr01	41633636	41633870	235 *	415	116	3
Potri. 001Chr01	41805493	41805830	338 *	232	172	5
Potri. 001Chr01	42021359	42021841	483 *	216	362	4
Potri. 001Chr01	42083558	42083824	267 *	215	136	3
Potri. 001Chr01	42380485	42380711	227 *	269	133	4
Potri. 001Chr01	42901618	42901889	272 *	191	142	5
Potri. 001Chr01	43036833	43037117	285 *	277	129	4
Potri. 001Chr01	43533743	43534216	474 *	183	182	4
Potri. 001Chr01	43693426	43693663	238 *	181	134	4
Potri. 001Chr01	43726680	43726996	317 *	361	182	2
Potri. 001Chr01	43778833	43779060	228 *	208	102	3
Potri. 001Chr01	43863650	43863872	223 *	192	121	4
Potri. 001Chr01	43908021	43908260	240 *	182	128	4
Potri. 001Chr01	44052037	44052357	321 *	344	189	4
Potri. 001Chr01	44500054	44500285	232 *	205	126	4
Potri. 001Chr01	45286666	45287290	625 *	545	159	3
Potri. 001Chr01	45643749	45644024	276 *	168	147	3
Potri. 001Chr01	45718959	45719178	220 *	462	114	3
Potri. 001Chr01	45804776	45804979	204 *	243	88	3
Potri. 001Chr01	46964321	46964525	205 *	242	75	3
Potri. 001Chr01	47055743	47055954	212 *	169	99	5
Potri. 001Chr01	47358494	47358780	287 *	179	177	3
Potri. 001Chr01	47427294	47427647	354 *	299	173	4
Potri. 001Chr01	47801016	47801297	282 *	251	137	5

Potri. 001Chr01	47877530	47878138	609 *	301	173	4
Potri. 001Chr01	48291364	48291605	242 *	200	159	4
Potri. 001Chr01	48748860	48749093	234 *	303	113	5
Potri. 001Chr01	48821696	48822085	390 *	239	100	3
Potri. 001Chr01	49084154	49084651	498 *	174	320	3
Potri. 001Chr01	49269866	49270070	205 *	175	102	4
Potri. 001Chr01	49440659	49440895	237 *	173	106	4
Potri. 001Chr01	49657251	49657503	253 *	249	132	3
Potri. 001Chr01	50300894	50301682	789 *	194	156	3
Potri. 001Chr01	50310104	50310381	278 *	188	94	3
Potri. 001Chr01	50407731	50408069	339 *	180	160	3
Potri. 002Chr02	76798	77162	365 *	203	188	3
Potri. 002Chr02	242397	242811	415 *	199	247	3
Potri. 002Chr02	673630	673887	258 *	274	134	5
Potri. 002Chr02	1264017	1264278	262 *	259	113	3
Potri. 002Chr02	1762232	1762521	290 *	215	142	3
Potri. 002Chr02	1824675	1824915	241 *	199	107	4
Potri. 002Chr02	1828043	1828250	208 *	343	111	3
Potri. 002Chr02	1948095	1948422	328 *	184	141	4
Potri. 002Chr02	2328005	2328302	298 *	188	125	3
Potri. 002Chr02	2373052	2373324	273 *	329	139	4
Potri. 002Chr02	2564367	2564632	266 *	174	135	3
Potri. 002Chr02	2560178	2560385	208 *	338	122	3
Potri. 002Chr02	2761988	2762205	218 *	188	106	3
Potri. 002Chr02	2804876	2805217	342 *	674	180	5
Potri. 002Chr02	3149934	3150430	497 *	193	379	4
Potri. 002Chr02	3191462	3191679	218 *	280	99	4
Potri. 002Chr02	3259870	3260141	272 *	269	131	4
Potri. 002Chr02	3484213	3484690	478 *	412	166	4
Potri. 002Chr02	3653603	3653899	297 *	190	168	3
Potri. 002Chr02	3668732	3670070	1339 *	189	963	3
Potri. 002Chr02	3751194	3751509	316 *	387	154	2
Potri. 002Chr02	3782545	3782813	269 *	208	117	4
Potri. 002Chr02	3848902	3849499	598 *	286	176	3
Potri. 002Chr02	4204158	4204448	291 *	169	145	3
Potri. 002Chr02	4726104	4726322	219 *	181	106	3
Potri. 002Chr02	4817633	4817928	296 *	175	151	4
Potri. 002Chr02	4997837	4998038	202 *	216	108	4
Potri. 002Chr02	5057873	5058122	250 *	222	132	4
Potri. 002Chr02	5256221	5256645	425 *	179	112	2
Potri. 002Chr02	5524404	5524641	238 *	461	116	3
Potri. 002Chr02	5549415	5549665	251 *	309	131	4
Potri. 002Chr02	5801365	5801595	231 *	193	97	4
Potri. 002Chr02	5973654	5974021	368 *	252	168	4
Potri. 002Chr02	6027926	6028310	385 *	178	200	3
Potri. 002Chr02	6140066	6140285	220 *	358	104	3
Potri. 002Chr02	6295734	6295952	219 *	175	112	5
Potri. 002Chr02	6542230	6542512	283 *	207	142	3
Potri. 002Chr02	6760361	6760631	271 *	171	133	3
Potri. 002Chr02	6805103	6805326	224 *	170	113	4
Potri. 002Chr02	6814253	6814484	232 *	249	126	4
Potri. 002Chr02	7002606	7002901	296 *	260	133	4
Potri. 002Chr02	7145316	7145525	210 *	191	107	4
Potri. 002Chr02	7727244	7727460	217 *	177	134	4

Potri. 002Chr02	7822629	7823108	480 *	179	242	3
Potri. 002Chr02	7838964	7839252	289 *	195	133	4
Potri. 002Chr02	7975444	7975718	275 *	219	126	4
Potri. 002Chr02	8024870	8025102	233 *	264	100	4
Potri. 002Chr02	8210564	8210874	311 *	168	145	3
Potri. 002Chr02	8322259	8322462	204 *	203	88	3
Potri. 002Chr02	9176993	9177632	640 *	168	483	3
Potri. 002Chr02	9532546	9532760	215 *	172	101	4
Potri. 002Chr02	9968017	9968303	287 *	175	140	4
Potri. 002Chr02	10237921	10238198	278 *	194	162	2
Potri. 002Chr02	10425607	10425861	255 *	168	135	3
Potri. 002Chr02	10485049	10485377	329 *	197	188	4
Potri. 002Chr02	10813182	10813451	270 *	228	146	5
Potri. 002Chr02	11632464	11632671	208 *	182	99	4
Potri. 002Chr02	11789392	11789598	207 *	173	105	4
Potri. 002Chr02	11909070	11909319	250 *	182	117	4
Potri. 002Chr02	11994767	11994992	226 *	168	76	3
Potri. 002Chr02	12458308	12458509	202 *	224	92	3
Potri. 002Chr02	12533595	12533870	276 *	175	98	3
Potri. 002Chr02	12796938	12797171	234 *	181	123	4
Potri. 002Chr02	13302694	13303015	322 *	183	166	4
Potri. 002Chr02	13622351	13622645	295 *	214	152	4
Potri. 002Chr02	14003251	14003537	287 *	261	151	5
Potri. 002Chr02	14263568	14263812	245 *	461	117	3
Potri. 002Chr02	15618534	15618824	291 *	721	140	3
Potri. 002Chr02	15739053	15739258	206 *	175	130	4
Potri. 002Chr02	15786299	15786595	297 *	312	133	5
Potri. 002Chr02	16766241	16766604	364 *	197	264	3
Potri. 002Chr02	16836837	16837061	225 *	223	160	4
Potri. 002Chr02	17125547	17125757	211 *	278	107	3
Potri. 002Chr02	17352392	17352621	230 *	196	137	5
Potri. 002Chr02	17652906	17653166	261 *	733	130	3
Potri. 002Chr02	17813769	17813982	214 *	323	108	3
Potri. 002Chr02	17888468	17888703	236 *	175	95	3
Potri. 002Chr02	18209164	18209386	223 *	237	118	4
Potri. 002Chr02	18302835	18303053	219 *	300	126	3
Potri. 002Chr02	18356805	18357546	742 *	263	239	2
Potri. 002Chr02	18363354	18364058	705 *	222	538	2
Potri. 002Chr02	18368445	18368681	237 *	267	97	2
Potri. 002Chr02	18378206	18379838	1633 *	251	666	2
Potri. 002Chr02	18385289	18386283	995 *	204	592	2
Potri. 002Chr02	18386656	18388425	1770 *	276	187	2
Potri. 002Chr02	18388713	18389284	572 *	184	235	2
Potri. 002Chr02	19442406	19442650	245 *	296	125	5
Potri. 002Chr02	19550541	19550809	269 *	178	145	4
Potri. 002Chr02	19759869	19760084	216 *	181	128	4
Potri. 002Chr02	20470878	20471281	404 *	181	100	3
Potri. 002Chr02	20569255	20569478	224 *	324	116	4
Potri. 002Chr02	20800009	20800252	244 *	189	114	4
Potri. 002Chr02	20919927	20920165	239 *	192	99	4
Potri. 002Chr02	21172016	21172253	238 *	304	128	5
Potri. 002Chr02	21522065	21522542	478 *	186	145	3
Potri. 002Chr02	21546356	21546637	282 *	188	139	5
Potri. 002Chr02	21819525	21819731	207 *	176	97	4

Potri. 002Chr02	21925698	21925951	254 *	277	103	5
Potri. 002Chr02	22414081	22414542	462 *	213	295	3
Potri. 002Chr02	22422640	22423310	671 *	242	206	4
Potri. 002Chr02	22594997	22595231	235 *	175	113	4
Potri. 002Chr02	22718099	22718300	202 *	169	81	3
Potri. 002Chr02	22768066	22768274	209 *	259	131	3
Potri. 002Chr02	22874743	22874965	223 *	193	139	5
Potri. 002Chr02	23764535	23764747	213 *	169	112	5
Potri. 002Chr02	23906127	23906472	346 *	271	148	4
Potri. 002Chr02	24058868	24059106	239 *	531	115	3
Potri. 002Chr02	24339924	24340204	281 *	192	111	4
Potri. 002Chr02	24736897	24737178	282 *	287	164	4
Potri. 002Chr02	24751796	24752101	306 *	190	141	3
Potri. 002Chr02	24957979	24958222	244 *	248	87	5
Potri. 002Chr02	25090748	25090983	236 *	203	108	3
Potri. 002Chr02	25138468	25138735	268 *	185	145	4
Potri. 003Chr03	61971	62230	260 *	266	150	6
Potri. 003Chr03	129656	129946	291 *	170	138	4
Potri. 003Chr03	656114	656315	202 *	231	93	3
Potri. 003Chr03	1495994	1496290	297 *	193	113	2
Potri. 003Chr03	1513843	1514045	203 *	172	90	3
Potri. 003Chr03	2551852	2552448	597 *	213	150	3
Potri. 003Chr03	2712833	2713079	247 *	265	116	4
Potri. 003Chr03	2903853	2904371	519 *	421	349	3
Potri. 003Chr03	3018055	3018510	456 *	220	312	2
Potri. 003Chr03	3022246	3022458	213 *	208	125	3
Potri. 003Chr03	3376699	3377001	303 *	269	158	4
Potri. 003Chr03	3491753	3492039	287 *	331	136	3
Potri. 003Chr03	3506542	3506778	237 *	210	122	3
Potri. 003Chr03	3650135	3650348	214 *	177	104	4
Potri. 003Chr03	3826644	3826887	244 *	602	120	3
Potri. 003Chr03	4444781	4445019	239 *	169	95	5
Potri. 003Chr03	4461650	4461897	248 *	240	141	5
Potri. 003Chr03	4755672	4755880	209 *	240	121	4
Potri. 003Chr03	6161995	6162202	208 *	174	94	3
Potri. 003Chr03	6267778	6268062	285 *	233	151	5
Potri. 003Chr03	6423038	6423278	241 *	192	112	4
Potri. 003Chr03	6766119	6766331	213 *	204	69	4
Potri. 003Chr03	7196440	7196683	244 *	188	110	3
Potri. 003Chr03	8381002	8381251	250 *	199	104	4
Potri. 003Chr03	9386042	9386341	300 *	842	168	3
Potri. 003Chr03	9389169	9389542	374 *	418	205	2
Potri. 003Chr03	9566687	9567187	501 *	253	136	3
Potri. 003Chr03	9569214	9569530	317 *	555	149	3
Potri. 003Chr03	10182079	10182321	243 *	510	137	3
Potri. 003Chr03	10359058	10359370	313 *	170	149	3
Potri. 003Chr03	10535089	10535357	269 *	168	121	3
Potri. 003Chr03	10615766	10616209	444 *	218	292	3
Potri. 003Chr03	11126434	11126675	242 *	199	126	4
Potri. 003Chr03	11573532	11573804	273 *	191	139	3
Potri. 003Chr03	11619030	11619296	267 *	212	108	3
Potri. 003Chr03	12027669	12028001	333 *	168	173	3
Potri. 003Chr03	12303519	12303759	241 *	188	100	4
Potri. 003Chr03	12427676	12427942	267 *	192	156	4

Potri. 003Chr03	12735666	12735888	223 *	215	109	3
Potri. 003Chr03	12742584	12742801	218 *	193	112	3
Potri. 003Chr03	13043932	13044184	253 *	175	99	3
Potri. 003Chr03	13055116	13055438	323 *	237	136	4
Potri. 003Chr03	13104122	13104423	302 *	185	110	3
Potri. 003Chr03	13158324	13158581	258 *	171	145	3
Potri. 003Chr03	13183531	13183972	442 *	183	167	3
Potri. 003Chr03	13697484	13697776	293 *	232	176	3
Potri. 003Chr03	14060435	14060677	243 *	215	153	5
Potri. 003Chr03	14190057	14190413	357 *	202	199	3
Potri. 003Chr03	14267816	14268042	227 *	249	106	4
Potri. 003Chr03	15105546	15105777	232 *	199	127	4
Potri. 003Chr03	15333864	15334244	381 *	173	182	3
Potri. 003Chr03	15380497	15381719	1223 *	228	1102	3
Potri. 003Chr03	15553791	15554016	226 *	202	98	5
Potri. 003Chr03	15715390	15715627	238 *	224	110	5
Potri. 003Chr03	15837723	15837925	203 *	319	104	2
Potri. 003Chr03	16382870	16383080	211 *	170	84	4
Potri. 003Chr03	16625715	16625946	232 *	168	116	3
Potri. 003Chr03	16699772	16700025	254 *	381	139	3
Potri. 003Chr03	17015196	17015423	228 *	193	132	4
Potri. 003Chr03	17271607	17271895	289 *	183	164	3
Potri. 003Chr03	17595004	17595214	211 *	193	129	5
Potri. 003Chr03	17760402	17760655	254 *	177	146	4
Potri. 003Chr03	17956708	17956951	244 *	242	141	4
Potri. 003Chr03	18363124	18363365	242 *	195	119	5
Potri. 003Chr03	18396952	18397271	320 *	252	156	4
Potri. 003Chr03	18476771	18476999	229 *	188	138	5
Potri. 003Chr03	18772456	18772727	272 *	290	110	5
Potri. 003Chr03	18816852	18817279	428 *	185	303	3
Potri. 003Chr03	19295246	19295480	235 *	223	158	4
Potri. 003Chr03	19296783	19297030	248 *	242	115	4
Potri. 003Chr03	19533971	19534444	474 *	212	176	2
Potri. 003Chr03	19568573	19568976	404 *	249	258	3
Potri. 003Chr03	19598580	19598854	275 *	176	148	2
Potri. 003Chr03	19927723	19927952	230 *	176	150	3
Potri. 003Chr03	20146603	20146823	221 *	171	85	4
Potri. 003Chr03	20179276	20179522	247 *	260	142	3
Potri. 003Chr03	20194417	20194929	513 *	227	401	3
Potri. 003Chr03	20297536	20297754	219 *	539	92	4
Potri. 003Chr03	20350203	20350446	244 *	216	141	4
Potri. 003Chr03	20399325	20399666	342 *	224	182	3
Potri. 003Chr03	20447696	20448330	635 *	285	241	3
Potri. 003Chr03	20542681	20543000	320 *	223	136	4
Potri. 003Chr03	20595640	20595878	239 *	170	126	4
Potri. 003Chr03	20657367	20657609	243 *	168	133	4
Potri. 003Chr03	20738230	20738435	206 *	173	105	3
Potri. 003Chr03	20783686	20784006	321 *	211	143	4
Potri. 003Chr03	20931410	20931611	202 *	202	112	3
Potri. 003Chr03	21312388	21312606	219 *	208	103	3
Potri. 003Chr03	21383170	21383385	216 *	168	122	3
Potri. 003Chr03	21407017	21407230	214 *	208	106	4
Potri. 003Chr03	21512332	21512557	226 *	214	110	4
Potri. 003Chr03	21527106	21527351	246 *	171	131	3

Potri. 003Chr03	21531997	21532286	290 *	199	111	3
Potri. 004Chr04	142186	142405	220 *	230	111	5
Potri. 004Chr04	529305	529516	212 *	192	111	4
Potri. 004Chr04	811231	811469	239 *	225	101	4
Potri. 004Chr04	1297190	1297593	404 *	210	174	2
Potri. 004Chr04	2270347	2270589	243 *	236	122	4
Potri. 004Chr04	2474541	2474752	212 *	195	120	5
Potri. 004Chr04	2589807	2590037	231 *	168	127	3
Potri. 004Chr04	2778885	2779370	486 *	183	332	3
Potri. 004Chr04	2803076	2803297	222 *	170	125	4
Potri. 004Chr04	2819772	2820118	347 *	172	185	3
Potri. 004Chr04	2912044	2912667	624 *	178	551	3
Potri. 004Chr04	3420787	3420993	207 *	229	104	5
Potri. 004Chr04	3801955	3802294	340 *	181	122	4
Potri. 004Chr04	3861446	3861764	319 *	183	134	3
Potri. 004Chr04	3869416	3869634	219 *	276	54	3
Potri. 004Chr04	3875049	3875521	473 *	217	176	3
Potri. 004Chr04	4190011	4190218	208 *	247	103	4
Potri. 004Chr04	4244015	4244260	246 *	264	115	4
Potri. 004Chr04	4328805	4329036	232 *	194	106	5
Potri. 004Chr04	4418400	4418620	221 *	197	98	5
Potri. 004Chr04	4537715	4537993	279 *	323	140	5
Potri. 004Chr04	4552978	4553189	212 *	215	77	4
Potri. 004Chr04	4750292	4750688	397 *	184	293	3
Potri. 004Chr04	5088525	5088781	257 *	176	137	3
Potri. 004Chr04	5192380	5192671	292 *	180	162	5
Potri. 004Chr04	5234097	5234310	214 *	188	94	5
Potri. 004Chr04	6106183	6106438	256 *	199	133	4
Potri. 004Chr04	6269750	6269989	240 *	286	120	5
Potri. 004Chr04	6276893	6277102	210 *	173	88	3
Potri. 004Chr04	6311719	6312076	358 *	225	180	3
Potri. 004Chr04	6778391	6778660	270 *	189	148	3
Potri. 004Chr04	6955127	6955418	292 *	193	129	4
Potri. 004Chr04	7558289	7558505	217 *	169	144	5
Potri. 004Chr04	7802923	7803174	252 *	204	124	3
Potri. 004Chr04	8208761	8209273	513 *	180	125	3
Potri. 004Chr04	8369143	8369385	243 *	187	132	4
Potri. 004Chr04	8427273	8427542	270 *	187	140	4
Potri. 004Chr04	8830799	8831089	291 *	188	150	3
Potri. 004Chr04	8906539	8906826	288 *	303	133	2
Potri. 004Chr04	9292473	9292734	262 *	168	147	5
Potri. 004Chr04	9322724	9323188	465 *	179	155	3
Potri. 004Chr04	9503758	9504004	247 *	330	100	2
Potri. 004Chr04	10287963	10288223	261 *	184	111	4
Potri. 004Chr04	10315252	10315464	213 *	371	91	3
Potri. 004Chr04	10375494	10375909	416 *	236	145	4
Potri. 004Chr04	10392733	10392951	219 *	232	122	3
Potri. 004Chr04	10447923	10448161	239 *	352	130	6
Potri. 004Chr04	11934926	11935188	263 *	178	109	4
Potri. 004Chr04	12145296	12145625	330 *	201	163	3
Potri. 004Chr04	12333541	12333764	224 *	204	83	4
Potri. 004Chr04	12472419	12472824	406 *	365	164	2
Potri. 004Chr04	12615952	12616166	215 *	203	110	4
Potri. 004Chr04	12681434	12681655	222 *	392	81	3

Potri. 004Chr04	13200702	13201094	393 *	656	234	3
Potri. 004Chr04	14309858	14310137	280 *	187	111	4
Potri. 004Chr04	14359023	14359340	318 *	375	145	2
Potri. 004Chr04	14458094	14458306	213 *	405	86	3
Potri. 004Chr04	14899532	14899829	298 *	308	141	5
Potri. 004Chr04	15267714	15267977	264 *	304	111	6
Potri. 004Chr04	16138759	16138967	209 *	346	80	3
Potri. 004Chr04	16447592	16447812	221 *	173	103	3
Potri. 004Chr04	16761882	16762123	242 *	246	144	4
Potri. 004Chr04	16997639	16997909	271 *	187	143	4
Potri. 004Chr04	17206449	17206872	424 *	202	329	4
Potri. 004Chr04	17750789	17751016	228 *	222	103	5
Potri. 004Chr04	18114535	18114799	265 *	214	110	4
Potri. 004Chr04	18158915	18159208	294 *	183	135	4
Potri. 004Chr04	18516299	18516521	223 *	193	99	4
Potri. 004Chr04	18539055	18539500	446 *	223	289	3
Potri. 004Chr04	18677754	18678269	516 *	282	87	3
Potri. 004Chr04	18790854	18791089	236 *	191	118	3
Potri. 004Chr04	19046660	19047077	418 *	268	142	3
Potri. 004Chr04	19238127	19238356	230 *	185	108	3
Potri. 004Chr04	19650423	19650642	220 *	264	138	3
Potri. 004Chr04	19910561	19910809	249 *	190	122	4
Potri. 004Chr04	20206515	20206852	338 *	308	192	3
Potri. 004Chr04	20356490	20356837	348 *	288	156	5
Potri. 004Chr04	20857561	20857830	270 *	195	143	3
Potri. 004Chr04	20887728	20888016	289 *	576	145	3
Potri. 004Chr04	21030881	21031163	283 *	205	118	4
Potri. 004Chr04	21399320	21399645	326 *	206	173	3
Potri. 004Chr04	21551332	21551541	210 *	343	105	3
Potri. 004Chr04	21615542	21615980	439 *	246	190	3
Potri. 004Chr04	22420702	22421090	389 *	207	139	3
Potri. 004Chr04	22822657	22822884	228 *	260	104	4
Potri. 004Chr04	22883573	22883870	298 *	355	146	4
Potri. 004Chr04	23314871	23315127	257 *	170	85	3
Potri. 004Chr04	23557384	23557683	300 *	177	172	3
Potri. 004Chr04	24099000	24099237	238 *	222	112	4
Potri. 004Chr04	24123136	24123368	233 *	188	140	5
Potri. 004Chr04	24170720	24170957	238 *	442	122	3
Potri. 005Chr05	3043	3260	218 *	209	120	4
Potri. 005Chr05	350362	350582	221 *	170	118	4
Potri. 005Chr05	759495	759718	224 *	187	94	4
Potri. 005Chr05	835678	835907	230 *	274	94	4
Potri. 005Chr05	1473722	1473982	261 *	203	143	3
Potri. 005Chr05	1855786	1856194	409 *	319	101	3
Potri. 005Chr05	1879402	1880096	695 *	367	545	3
Potri. 005Chr05	2229957	2230187	231 *	247	110	4
Potri. 005Chr05	3149585	3149832	248 *	203	104	3
Potri. 005Chr05	3193032	3193282	251 *	181	88	4
Potri. 005Chr05	3291262	3291464	203 *	176	111	3
Potri. 005Chr05	4019922	4020189	268 *	177	153	4
Potri. 005Chr05	4183983	4184419	437 *	218	88	2
Potri. 005Chr05	4185325	4185527	203 *	298	99	3
Potri. 005Chr05	4361239	4361465	227 *	193	108	4
Potri. 005Chr05	4535382	4535603	222 *	175	101	4

Potri. 005Chr05	4542240	4542449	210 *	189	101	4
Potri. 005Chr05	4712604	4713286	683 *	172	531	3
Potri. 005Chr05	5278912	5279142	231 *	169	116	4
Potri. 005Chr05	5413894	5414139	246 *	182	103	3
Potri. 005Chr05	5598685	5598923	239 *	262	99	4
Potri. 005Chr05	5688719	5688992	274 *	187	137	4
Potri. 005Chr05	5844122	5844350	229 *	229	116	5
Potri. 005Chr05	5992887	5993124	238 *	181	68	3
Potri. 005Chr05	6084178	6084428	251 *	176	139	3
Potri. 005Chr05	6186026	6186248	223 *	171	84	4
Potri. 005Chr05	6352092	6352350	259 *	226	122	4
Potri. 005Chr05	6476890	6477153	264 *	252	134	4
Potri. 005Chr05	6900151	6900459	309 *	644	164	3
Potri. 005Chr05	7165603	7165814	212 *	181	76	3
Potri. 005Chr05	7378513	7378782	270 *	268	117	5
Potri. 005Chr05	7436189	7436419	231 *	183	101	4
Potri. 005Chr05	7693066	7693277	212 *	232	83	5
Potri. 005Chr05	7890394	7890685	292 *	244	144	5
Potri. 005Chr05	8363067	8363286	220 *	179	110	3
Potri. 005Chr05	8404898	8405386	489 *	210	408	3
Potri. 005Chr05	8427742	8427989	248 *	192	113	4
Potri. 005Chr05	8845615	8846043	429 *	200	166	3
Potri. 005Chr05	8914378	8914590	213 *	169	99	4
Potri. 005Chr05	10895167	10895407	241 *	186	121	3
Potri. 005Chr05	11232580	11232862	283 *	181	171	4
Potri. 005Chr05	11266986	11267193	208 *	182	101	5
Potri. 005Chr05	11533587	11533902	316 *	175	180	3
Potri. 005Chr05	11607255	11607540	286 *	225	141	4
Potri. 005Chr05	11709073	11709388	316 *	429	188	4
Potri. 005Chr05	11810477	11810819	343 *	197	121	4
Potri. 005Chr05	12000488	12000784	297 *	244	134	5
Potri. 005Chr05	12279601	12279828	228 *	209	123	5
Potri. 005Chr05	12344622	12345348	727 *	306	300	4
Potri. 005Chr05	12743932	12744150	219 *	397	117	3
Potri. 005Chr05	12752045	12752250	206 *	168	94	4
Potri. 005Chr05	13239922	13240155	234 *	214	110	4
Potri. 005Chr05	13425130	13425921	792 *	238	134	4
Potri. 005Chr05	13493411	13493638	228 *	587	124	3
Potri. 005Chr05	13504710	13504941	232 *	309	119	3
Potri. 005Chr05	13547370	13547622	253 *	204	134	4
Potri. 005Chr05	14524539	14524743	205 *	306	112	3
Potri. 005Chr05	14814275	14814542	268 *	937	134	4
Potri. 005Chr05	14825925	14826134	210 *	408	68	3
Potri. 005Chr05	16038463	16038743	281 *	181	138	4
Potri. 005Chr05	16086014	16086261	248 *	172	113	3
Potri. 005Chr05	16263407	16263906	500 *	175	102	3
Potri. 005Chr05	16498370	16498667	298 *	431	146	2
Potri. 005Chr05	17008366	17008702	337 *	183	183	4
Potri. 005Chr05	17718205	17718413	209 *	361	101	3
Potri. 005Chr05	17897316	17897548	233 *	169	113	5
Potri. 005Chr05	18577697	18578005	309 *	176	141	3
Potri. 005Chr05	18610740	18611347	608 *	209	488	5
Potri. 005Chr05	18664794	18665005	212 *	169	102	5
Potri. 005Chr05	18956540	18956772	233 *	208	102	4

Potri. 005Chr05	19147111	19147415	305 *	404	147	5
Potri. 005Chr05	19184258	19184588	331 *	210	181	4
Potri. 005Chr05	19301372	19301675	304 *	181	148	3
Potri. 005Chr05	19331911	19332204	294 *	191	113	3
Potri. 005Chr05	19626375	19626622	248 *	327	81	2
Potri. 005Chr05	20544892	20545222	331 *	417	171	2
Potri. 005Chr05	20610020	20610280	261 *	220	119	4
Potri. 005Chr05	20755647	20755858	212 *	247	116	4
Potri. 005Chr05	20985012	20985309	298 *	180	192	3
Potri. 005Chr05	21358091	21358396	306 *	236	155	3
Potri. 005Chr05	21437309	21437533	225 *	171	99	3
Potri. 005Chr05	21462461	21462711	251 *	179	114	3
Potri. 005Chr05	21485275	21485933	659 *	223	434	3
Potri. 005Chr05	21883762	21883976	215 *	282	102	2
Potri. 005Chr05	21949144	21949412	269 *	223	141	5
Potri. 005Chr05	21982630	21982932	303 *	244	136	3
Potri. 005Chr05	22191846	22192104	259 *	171	129	3
Potri. 005Chr05	22394783	22395368	586 *	689	415	5
Potri. 005Chr05	22534380	22534634	255 *	168	109	3
Potri. 005Chr05	22580855	22581071	217 *	221	114	3
Potri. 005Chr05	22767997	22768331	335 *	168	176	5
Potri. 005Chr05	22985994	22986460	467 *	368	104	3
Potri. 005Chr05	23031405	23031721	317 *	198	158	3
Potri. 005Chr05	23576023	23576261	239 *	259	139	5
Potri. 005Chr05	23601924	23602134	211 *	175	116	4
Potri. 005Chr05	23664862	23665310	449 *	224	155	3
Potri. 005Chr05	24083689	24083920	232 *	197	79	4
Potri. 005Chr05	24205987	24206222	236 *	188	110	4
Potri. 005Chr05	24285228	24285611	384 *	174	231	3
Potri. 005Chr05	24429579	24429890	312 *	220	161	4
Potri. 005Chr05	24785100	24785339	240 *	180	112	5
Potri. 005Chr05	24877284	24877513	230 *	192	130	4
Potri. 005Chr05	24983874	24984111	238 *	183	120	4
Potri. 005Chr05	25230823	25231369	547 *	224	378	3
Potri. 005Chr05	25759918	25760137	220 *	182	93	4
Potri. 006Chr06	19546	19790	245 *	173	130	3
Potri. 006Chr06	73501	73723	223 *	169	131	5
Potri. 006Chr06	584267	584492	226 *	209	98	3
Potri. 006Chr06	674830	675082	253 *	214	130	4
Potri. 006Chr06	706350	706564	215 *	171	107	4
Potri. 006Chr06	998909	999130	222 *	172	130	4
Potri. 006Chr06	1211182	1211460	279 *	204	137	4
Potri. 006Chr06	1464065	1464367	303 *	174	176	3
Potri. 006Chr06	1628583	1628791	209 *	312	82	5
Potri. 006Chr06	1732087	1732327	241 *	238	116	4
Potri. 006Chr06	2704686	2704897	212 *	336	97	3
Potri. 006Chr06	3652600	3652801	202 *	178	111	3
Potri. 006Chr06	3656156	3656406	251 *	171	118	2
Potri. 006Chr06	3674160	3674588	429 *	173	289	3
Potri. 006Chr06	3858214	3858501	288 *	214	155	4
Potri. 006Chr06	4149558	4150011	454 *	176	135	3
Potri. 006Chr06	4496009	4496255	247 *	253	119	3
Potri. 006Chr06	4530595	4530921	327 *	185	179	3
Potri. 006Chr06	4611631	4611904	274 *	181	95	2

Potri. 006Chr06	4912751	4913009	259 *	233	160	5
Potri. 006Chr06	4993382	4993598	217 *	168	125	4
Potri. 006Chr06	5403030	5403262	233 *	196	139	4
Potri. 006Chr06	5456081	5456315	235 *	235	130	4
Potri. 006Chr06	5855120	5855419	300 *	267	165	3
Potri. 006Chr06	6097131	6097619	489 *	179	323	3
Potri. 006Chr06	6260133	6260376	244 *	216	103	4
Potri. 006Chr06	6509763	6509977	215 *	175	112	5
Potri. 006Chr06	6522769	6523039	271 *	259	121	4
Potri. 006Chr06	6538315	6538566	252 *	232	88	4
Potri. 006Chr06	6735062	6735338	277 *	168	152	3
Potri. 006Chr06	7189215	7189428	214 *	203	114	4
Potri. 006Chr06	7602058	7602351	294 *	183	142	3
Potri. 006Chr06	7753987	7754199	213 *	169	129	5
Potri. 006Chr06	8156421	8156650	230 *	171	106	3
Potri. 006Chr06	8218409	8218636	228 *	252	92	5
Potri. 006Chr06	8529653	8529974	322 *	192	156	3
Potri. 006Chr06	8705806	8706086	281 *	241	129	4
Potri. 006Chr06	9339130	9339388	259 *	193	149	3
Potri. 006Chr06	9443032	9443257	226 *	169	120	5
Potri. 006Chr06	9457540	9457780	241 *	186	104	4
Potri. 006Chr06	10440725	10440959	235 *	308	134	5
Potri. 006Chr06	10470671	10471079	409 *	203	195	3
Potri. 006Chr06	11142181	11142400	220 *	395	115	3
Potri. 006Chr06	11181180	11181449	270 *	181	116	3
Potri. 006Chr06	11383033	11383305	273 *	223	134	5
Potri. 006Chr06	11503235	11503464	230 *	175	90	5
Potri. 006Chr06	11739495	11739787	293 *	241	165	4
Potri. 006Chr06	12140513	12140752	240 *	288	153	6
Potri. 006Chr06	12772947	12773173	227 *	168	115	5
Potri. 006Chr06	12897772	12898010	239 *	170	96	4
Potri. 006Chr06	12957848	12958058	211 *	309	116	3
Potri. 006Chr06	13620623	13620861	239 *	208	107	5
Potri. 006Chr06	14057111	14057448	338 *	287	167	4
Potri. 006Chr06	15115850	15116090	241 *	195	104	5
Potri. 006Chr06	15214270	15214485	216 *	219	94	3
Potri. 006Chr06	15278442	15278658	217 *	513	138	5
Potri. 006Chr06	15988897	15989115	219 *	699	109	3
Potri. 006Chr06	16338470	16338869	400 *	226	147	2
Potri. 006Chr06	16559802	16560015	214 *	175	117	4
Potri. 006Chr06	16917221	16917455	235 *	230	95	5
Potri. 006Chr06	17170194	17170426	233 *	293	120	5
Potri. 006Chr06	17649872	17650085	214 *	265	108	3
Potri. 006Chr06	17843536	17843779	244 *	255	129	5
Potri. 006Chr06	18384987	18385317	331 *	203	136	4
Potri. 006Chr06	18431559	18431785	227 *	211	127	5
Potri. 006Chr06	18632759	18632964	206 *	402	103	3
Potri. 006Chr06	18914230	18914503	274 *	273	135	3
Potri. 006Chr06	19020137	19020395	259 *	393	140	7
Potri. 006Chr06	19392821	19393162	342 *	237	153	5
Potri. 006Chr06	19624832	19625138	307 *	237	171	3
Potri. 006Chr06	20042067	20042292	226 *	210	109	4
Potri. 006Chr06	20104158	20104396	239 *	210	108	4
Potri. 006Chr06	20917537	20917825	289 *	192	152	4

Potri. 006Chr06	21054464	21054675	212 *	169	94	5
Potri. 006Chr06	21209585	21210084	500 *	539	136	3
Potri. 006Chr06	21506471	21506884	414 *	178	235	3
Potri. 006Chr06	21740868	21741446	579 *	354	171	2
Potri. 006Chr06	22052388	22052680	293 *	254	139	4
Potri. 006Chr06	22273120	22273348	229 *	187	129	4
Potri. 006Chr06	22659554	22660043	490 *	305	336	3
Potri. 006Chr06	23468586	23468850	265 *	192	114	4
Potri. 006Chr06	23738928	23739283	356 *	272	220	4
Potri. 006Chr06	23957814	23958052	239 *	181	83	4
Potri. 006Chr06	24408878	24409099	222 *	188	115	5
Potri. 006Chr06	24640228	24640456	229 *	193	83	4
Potri. 006Chr06	24678458	24678699	242 *	180	121	5
Potri. 006Chr06	24981985	24982269	285 *	172	151	3
Potri. 006Chr06	24995211	24995418	208 *	200	66	3
Potri. 006Chr06	25124500	25125066	567 *	198	118	4
Potri. 006Chr06	25777276	25777534	259 *	175	173	4
Potri. 006Chr06	25939969	25940230	262 *	283	125	5
Potri. 006Chr06	26231450	26231668	219 *	169	76	5
Potri. 006Chr06	26473563	26473799	237 *	173	142	4
Potri. 006Chr06	26635645	26636123	479 *	209	152	3
Potri. 006Chr06	26742203	26742449	247 *	197	112	4
Potri. 006Chr06	26749817	26750098	282 *	168	168	3
Potri. 006Chr06	27446377	27446604	228 *	183	101	4
Potri. 006Chr06	27625800	27626272	473 *	219	341	3
Potri. 006Chr06	27739264	27739700	437 *	248	249	4
Potri. 007Chr07	215002	215218	217 *	189	89	4
Potri. 007Chr07	1007548	1007805	258 *	175	109	4
Potri. 007Chr07	1445906	1446148	243 *	210	135	5
Potri. 007Chr07	1640840	1641077	238 *	195	117	4
Potri. 007Chr07	2418046	2418260	215 *	216	120	4
Potri. 007Chr07	2828561	2828893	333 *	192	163	4
Potri. 007Chr07	3252335	3252665	331 *	545	163	3
Potri. 007Chr07	3370763	3370986	224 *	195	66	5
Potri. 007Chr07	3419571	3419778	208 *	168	88	5
Potri. 007Chr07	3578358	3578564	207 *	187	66	4
Potri. 007Chr07	3779481	3779747	267 *	168	103	3
Potri. 007Chr07	4771133	4771454	322 *	260	135	2
Potri. 007Chr07	5102747	5102963	217 *	195	110	5
Potri. 007Chr07	5261432	5261701	270 *	197	148	3
Potri. 007Chr07	5675940	5676165	226 *	183	119	4
Potri. 007Chr07	5974247	5974468	222 *	240	105	2
Potri. 007Chr07	6537769	6538198	430 *	273	273	2
Potri. 007Chr07	6538971	6539635	665 *	168	489	2
Potri. 007Chr07	6679545	6679752	208 *	238	121	3
Potri. 007Chr07	7247424	7247633	210 *	295	140	3
Potri. 007Chr07	7978966	7979178	213 *	267	97	3
Potri. 007Chr07	8147070	8147271	202 *	172	96	3
Potri. 007Chr07	8208911	8209304	394 *	349	285	4
Potri. 007Chr07	8227544	8227791	248 *	238	133	4
Potri. 007Chr07	8773896	8774162	267 *	294	114	6
Potri. 007Chr07	9399337	9399612	276 *	188	123	3
Potri. 007Chr07	9476536	9476806	271 *	236	140	4
Potri. 007Chr07	10285200	10285426	227 *	611	114	3

Potri. 007Chr07	10416143	10416378	236 *	239	116	5
Potri. 007Chr07	10547920	10548225	306 *	215	111	4
Potri. 007Chr07	11112375	11112619	245 *	236	95	4
Potri. 007Chr07	11157074	11157319	246 *	209	128	5
Potri. 007Chr07	11193598	11194041	444 *	168	157	3
Potri. 007Chr07	11690352	11691097	746 *	208	605	4
Potri. 007Chr07	11709005	11709440	436 *	291	243	5
Potri. 007Chr07	12137475	12137931	457 *	171	349	4
Potri. 007Chr07	12164501	12164717	217 *	200	111	3
Potri. 007Chr07	12528340	12528658	319 *	175	147	4
Potri. 007Chr07	12666281	12666788	508 *	178	329	3
Potri. 007Chr07	12664165	12664512	348 *	232	149	3
Potri. 007Chr07	12684523	12684810	288 *	174	142	3
Potri. 007Chr07	12706167	12706396	230 *	335	122	5
Potri. 007Chr07	12942033	12942311	279 *	242	157	4
Potri. 007Chr07	13002359	13002595	237 *	225	96	4
Potri. 007Chr07	13278533	13278851	319 *	172	149	3
Potri. 007Chr07	13311166	13311725	560 *	254	144	3
Potri. 007Chr07	13759072	13759306	235 *	463	128	3
Potri. 007Chr07	14210620	14210867	248 *	309	134	3
Potri. 007Chr07	14911290	14911517	228 *	175	115	4
Potri. 007Chr07	15009448	15009696	249 *	256	105	4
Potri. 007Chr07	15161595	15161873	279 *	184	124	2
Potri. 007Chr07	15183506	15183715	210 *	275	135	3
Potri. 007Chr07	15318082	15318344	263 *	274	149	3
Potri. 007Chr07	15358736	15359012	277 *	201	170	3
Potri. 007Chr07	15578567	15578807	241 *	169	139	5
Potri. 008Chr08	380068	380344	277 *	383	148	2
Potri. 008Chr08	1517054	1517272	219 *	206	128	5
Potri. 008Chr08	1778725	1779103	379 *	207	211	3
Potri. 008Chr08	1991147	1991369	223 *	174	126	3
Potri. 008Chr08	2006673	2006911	239 *	175	103	4
Potri. 008Chr08	2803550	2803896	347 *	197	173	3
Potri. 008Chr08	2815018	2815236	219 *	393	101	3
Potri. 008Chr08	3005419	3005655	237 *	190	125	4
Potri. 008Chr08	3021282	3021964	683 *	177	557	4
Potri. 008Chr08	3052261	3052598	338 *	177	198	3
Potri. 008Chr08	3167109	3167528	420 *	179	334	3
Potri. 008Chr08	3222318	3222538	221 *	174	134	3
Potri. 008Chr08	3232637	3233074	438 *	173	128	3
Potri. 008Chr08	3567336	3567589	254 *	169	115	4
Potri. 008Chr08	3616057	3616266	210 *	230	92	3
Potri. 008Chr08	3695582	3695794	213 *	377	111	3
Potri. 008Chr08	3781586	3781857	272 *	284	108	4
Potri. 008Chr08	4476890	4477540	651 *	196	377	3
Potri. 008Chr08	4516661	4516885	225 *	201	121	4
Potri. 008Chr08	4868833	4869112	280 *	191	142	3
Potri. 008Chr08	5214475	5214697	223 *	195	131	5
Potri. 008Chr08	5814300	5814599	300 *	324	150	4
Potri. 008Chr08	6070852	6071099	248 *	187	139	4
Potri. 008Chr08	6163801	6164285	485 *	210	374	5
Potri. 008Chr08	6625940	6626158	219 *	170	90	4
Potri. 008Chr08	6923411	6923620	210 *	172	97	3
Potri. 008Chr08	6934754	6935026	273 *	228	144	3

Potri. 008Chr08	7116352	7116576	225 *	238	90	3
Potri. 008Chr08	7178983	7179270	288 *	214	144	4
Potri. 008Chr08	7526344	7526602	259 *	191	129	3
Potri. 008Chr08	7694965	7695284	320 *	176	170	3
Potri. 008Chr08	7843464	7843712	249 *	228	154	4
Potri. 008Chr08	8006635	8006896	262 *	206	115	4
Potri. 008Chr08	8012196	8012437	242 *	175	133	4
Potri. 008Chr08	8024917	8025172	256 *	229	140	4
Potri. 008Chr08	8187275	8187895	621 *	183	430	3
Potri. 008Chr08	8492893	8493283	391 *	224	256	5
Potri. 008Chr08	8631360	8631653	294 *	236	164	4
Potri. 008Chr08	9127795	9128023	229 *	177	137	4
Potri. 008Chr08	9315899	9316213	315 *	177	139	4
Potri. 008Chr08	9463258	9463571	314 *	178	180	3
Potri. 008Chr08	9667604	9668102	499 *	202	347	3
Potri. 008Chr08	9867129	9867368	240 *	192	135	4
Potri. 008Chr08	10168934	10169234	301 *	211	136	4
Potri. 008Chr08	10457420	10457640	221 *	208	110	4
Potri. 008Chr08	10519890	10520114	225 *	191	112	4
Potri. 008Chr08	10604140	10604355	216 *	170	110	4
Potri. 008Chr08	10762998	10763241	244 *	184	117	4
Potri. 008Chr08	11092667	11092917	251 *	263	127	3
Potri. 008Chr08	11143788	11144006	219 *	177	129	4
Potri. 008Chr08	11910275	11910530	256 *	203	121	4
Potri. 008Chr08	11999679	11999911	233 *	179	99	3
Potri. 008Chr08	12093355	12093667	313 *	330	169	5
Potri. 008Chr08	12250450	12250685	236 *	168	113	3
Potri. 008Chr08	12401111	12401412	302 *	200	154	3
Potri. 008Chr08	12419753	12420024	272 *	225	127	4
Potri. 008Chr08	12944908	12945139	232 *	215	130	4
Potri. 008Chr08	13021089	13021310	222 *	190	107	4
Potri. 008Chr08	13902027	13902238	212 *	203	106	4
Potri. 008Chr08	14042253	14042477	225 *	285	104	4
Potri. 008Chr08	14569377	14569892	516 *	192	137	3
Potri. 008Chr08	15127483	15127814	332 *	294	169	4
Potri. 008Chr08	15334299	15334509	211 *	173	136	4
Potri. 008Chr08	15425938	15426150	213 *	176	99	4
Potri. 008Chr08	15732436	15732641	206 *	176	90	3
Potri. 008Chr08	17238863	17239184	322 *	308	151	5
Potri. 008Chr08	17483540	17484020	481 *	263	126	3
Potri. 008Chr08	17694815	17695195	381 *	222	187	3
Potri. 008Chr08	18376747	18377055	309 *	186	136	4
Potri. 008Chr08	18547209	18547692	484 *	173	391	4
Potri. 008Chr08	18779671	18780309	639 *	469	452	2
Potri. 009Chr09	188074	188275	202 *	288	138	3
Potri. 009Chr09	250842	251093	252 *	447	103	2
Potri. 009Chr09	414081	414302	222 *	554	119	3
Potri. 009Chr09	987828	988123	296 *	616	172	3
Potri. 009Chr09	991184	991712	529 *	393	351	2
Potri. 009Chr09	1270607	1271020	414 *	190	239	3
Potri. 009Chr09	1385409	1385620	212 *	299	82	3
Potri. 009Chr09	2723688	2723933	246 *	697	138	3
Potri. 009Chr09	2727338	2727635	298 *	673	147	3
Potri. 009Chr09	2730027	2730244	218 *	523	129	3

Potri. 009Chr09	3163812	3164406	595 *	171	139	3
Potri. 009Chr09	3309805	3310102	298 *	197	138	5
Potri. 009Chr09	3954995	3955216	222 *	223	117	5
Potri. 009Chr09	3984696	3984937	242 *	175	114	5
Potri. 009Chr09	4111819	4112061	243 *	254	130	4
Potri. 009Chr09	5384670	5384973	304 *	170	160	4
Potri. 009Chr09	5482353	5482584	232 *	170	139	4
Potri. 009Chr09	5494478	5494708	231 *	181	81	4
Potri. 009Chr09	5853196	5853452	257 *	180	137	3
Potri. 009Chr09	6343430	6343688	259 *	182	107	4
Potri. 009Chr09	6591488	6591822	335 *	180	144	3
Potri. 009Chr09	6860119	6860380	262 *	247	118	4
Potri. 009Chr09	7143408	7143679	272 *	555	159	3
Potri. 009Chr09	7519930	7520201	272 *	177	167	4
Potri. 009Chr09	7584982	7585234	253 *	197	139	4
Potri. 009Chr09	8620824	8621313	490 *	332	136	2
Potri. 009Chr09	9092890	9093121	232 *	224	99	4
Potri. 009Chr09	9383280	9383659	380 *	222	210	4
Potri. 009Chr09	9497050	9497371	322 *	250	195	3
Potri. 009Chr09	9895910	9896214	305 *	226	156	5
Potri. 009Chr09	10213863	10214125	263 *	192	94	4
Potri. 009Chr09	10239971	10240444	474 *	190	117	3
Potri. 009Chr09	10435910	10436209	300 *	230	153	5
Potri. 009Chr09	10521301	10521524	224 *	195	74	5
Potri. 009Chr09	11366307	11367012	706 *	262	578	4
Potri. 009Chr09	11403385	11403734	350 *	314	158	4
Potri. 009Chr09	11512645	11512881	237 *	175	104	5
Potri. 009Chr09	11793301	11793562	262 *	187	135	4
Potri. 009Chr09	11983524	11983734	211 *	212	76	3
Potri. 009Chr09	12026918	12027409	492 *	205	313	3
Potri. 009Chr09	12164492	12164899	408 *	170	197	3
Potri. 009Chr09	12341523	12341777	255 *	205	129	5
Potri. 009Chr09	12948280	12948482	203 *	183	105	3
Potri. 010Chr10	497365	497581	217 *	197	98	3
Potri. 010Chr10	678554	678782	229 *	175	126	3
Potri. 010Chr10	722688	722932	245 *	238	120	3
Potri. 010Chr10	1233077	1233325	249 *	274	104	4
Potri. 010Chr10	1823823	1824314	492 *	170	161	3
Potri. 010Chr10	1975920	1976129	210 *	200	125	3
Potri. 010Chr10	2849717	2849988	272 *	195	133	5
Potri. 010Chr10	3031885	3032157	273 *	180	150	3
Potri. 010Chr10	3544480	3544716	237 *	219	132	4
Potri. 010Chr10	3731846	3732057	212 *	520	121	4
Potri. 010Chr10	3994352	3994555	204 *	200	121	3
Potri. 010Chr10	4095017	4095269	253 *	211	141	4
Potri. 010Chr10	4213200	4213410	211 *	720	85	5
Potri. 010Chr10	4424864	4425127	264 *	237	152	5
Potri. 010Chr10	4752260	4752479	220 *	372	100	3
Potri. 010Chr10	4770043	4770267	225 *	313	136	3
Potri. 010Chr10	5229777	5230032	256 *	1035	127	3
Potri. 010Chr10	5616028	5616276	249 *	379	75	5
Potri. 010Chr10	5747999	5748440	442 *	223	191	2
Potri. 010Chr10	7325234	7325860	627 *	182	332	3
Potri. 010Chr10	7606293	7606602	310 *	222	187	4

Potri. 010Chr10	8333077	8333733	657 *	505	193	2
Potri. 010Chr10	8334683	8334895	213 *	282	105	3
Potri. 010Chr10	8934311	8934521	211 *	183	101	2
Potri. 010Chr10	9484605	9484811	207 *	171	100	4
Potri. 010Chr10	10002568	10002868	301 *	196	169	3
Potri. 010Chr10	10019919	10020132	214 *	197	112	4
Potri. 010Chr10	10140443	10140767	325 *	221	182	3
Potri. 010Chr10	10751840	10752202	363 *	177	184	3
Potri. 010Chr10	11301952	11302389	438 *	207	333	2
Potri. 010Chr10	11672674	11673043	370 *	172	289	3
Potri. 010Chr10	11758523	11758757	235 *	170	133	4
Potri. 010Chr10	11849113	11849384	272 *	208	95	4
Potri. 010Chr10	11921708	11921973	266 *	205	144	3
Potri. 010Chr10	12305197	12305720	524 *	206	381	3
Potri. 010Chr10	12506727	12507011	285 *	299	132	4
Potri. 010Chr10	12523879	12524339	461 *	193	96	4
Potri. 010Chr10	12833280	12833517	238 *	175	131	5
Potri. 010Chr10	13059681	13060640	960 *	180	533	3
Potri. 010Chr10	13109552	13109776	225 *	178	117	4
Potri. 010Chr10	13134263	13134479	217 *	192	126	3
Potri. 010Chr10	13192922	13193151	230 *	215	138	5
Potri. 010Chr10	13648842	13649046	205 *	171	99	4
Potri. 010Chr10	13736434	13736715	282 *	201	144	5
Potri. 010Chr10	14105226	14105468	243 *	240	84	5
Potri. 010Chr10	14666986	14667319	334 *	192	172	4
Potri. 010Chr10	14800777	14801185	409 *	181	196	4
Potri. 010Chr10	14858688	14858915	228 *	259	115	4
Potri. 010Chr10	15255414	15255630	217 *	170	113	4
Potri. 010Chr10	15401212	15401604	393 *	232	152	3
Potri. 010Chr10	15939303	15939546	244 *	215	152	5
Potri. 010Chr10	15942135	15942394	260 *	169	108	4
Potri. 010Chr10	16024808	16025131	324 *	225	167	4
Potri. 010Chr10	16321285	16321520	236 *	306	139	4
Potri. 010Chr10	16512627	16512855	229 *	214	122	4
Potri. 010Chr10	17008348	17008593	246 *	258	118	4
Potri. 010Chr10	17100301	17100667	367 *	172	177	3
Potri. 010Chr10	17847643	17847900	258 *	208	110	4
Potri. 010Chr10	18061438	18061673	236 *	262	101	4
Potri. 010Chr10	18069815	18070209	395 *	335	142	5
Potri. 010Chr10	18450658	18450875	218 *	169	97	3
Potri. 010Chr10	18934795	18935190	396 *	214	169	4
Potri. 010Chr10	19155725	19156085	361 *	312	207	3
Potri. 010Chr10	19349673	19349889	217 *	225	121	4
Potri. 010Chr10	19411340	19411678	339 *	263	143	4
Potri. 010Chr10	19603286	19603787	502 *	393	371	7
Potri. 010Chr10	19765326	19765557	232 *	410	121	3
Potri. 010Chr10	19862948	19863251	304 *	175	152	4
Potri. 010Chr10	19930641	19930935	295 *	169	138	3
Potri. 010Chr10	19944842	19945043	202 *	189	97	3
Potri. 010Chr10	20360992	20361237	246 *	187	129	4
Potri. 010Chr10	20656404	20656624	221 *	178	100	4
Potri. 010Chr10	20705546	20705828	283 *	236	150	4
Potri. 010Chr10	20746208	20746443	236 *	206	91	4
Potri. 010Chr10	20849709	20850172	464 *	171	135	3

Potri. 010Chr10	20955244	20955477	234 *	208	127	4
Potri. 010Chr10	21026064	21026341	278 *	170	141	3
Potri. 010Chr10	21452941	21453146	206 *	182	98	4
Potri. 010Chr10	22181052	22181261	210 *	257	90	3
Potri. 010Chr10	22407911	22408186	276 *	168	136	3
Potri. 010Chr10	22493115	22493344	230 *	216	139	3
Potri. 011Chr11	280384	280607	224 *	180	119	5
Potri. 011Chr11	1009365	1009585	221 *	481	103	3
Potri. 011Chr11	1017380	1017592	213 *	299	137	3
Potri. 011Chr11	1293925	1294164	240 *	207	131	4
Potri. 011Chr11	1778243	1778491	249 *	169	115	5
Potri. 011Chr11	3264209	3264449	241 *	197	92	3
Potri. 011Chr11	4065262	4065549	288 *	212	118	5
Potri. 011Chr11	4080175	4080404	230 *	193	123	3
Potri. 011Chr11	4098306	4098598	293 *	210	154	5
Potri. 011Chr11	4179519	4179735	217 *	173	144	3
Potri. 011Chr11	4753803	4754005	203 *	188	120	3
Potri. 011Chr11	5675391	5675644	254 *	699	123	3
Potri. 011Chr11	5810621	5810850	230 *	194	117	3
Potri. 011Chr11	6675904	6676283	380 *	226	266	3
Potri. 011Chr11	7193887	7194291	405 *	729	279	3
Potri. 011Chr11	7195749	7196120	372 *	503	219	3
Potri. 011Chr11	7197098	7197582	485 *	482	258	2
Potri. 011Chr11	7199081	7199905	825 *	277	369	2
Potri. 011Chr11	7204585	7204800	216 *	389	100	4
Potri. 011Chr11	7206727	7206931	205 *	506	137	4
Potri. 011Chr11	7216984	7217188	205 *	488	93	3
Potri. 011Chr11	7232108	7232312	205 *	215	125	3
Potri. 011Chr11	7730587	7730793	207 *	180	99	2
Potri. 011Chr11	8004416	8004657	242 *	223	86	5
Potri. 011Chr11	8281481	8281709	229 *	422	106	3
Potri. 011Chr11	8750210	8750433	224 *	206	98	5
Potri. 011Chr11	8894785	8895003	219 *	175	116	5
Potri. 011Chr11	9968424	9968745	322 *	173	184	3
Potri. 011Chr11	10768971	10769219	249 *	188	129	5
Potri. 011Chr11	11041237	11042233	997 *	183	627	2
Potri. 011Chr11	11085311	11085559	249 *	297	141	4
Potri. 011Chr11	11646597	11646832	236 *	208	118	3
Potri. 011Chr11	12064035	12064249	215 *	303	104	3
Potri. 011Chr11	12868168	12868389	222 *	177	151	4
Potri. 011Chr11	13360491	13360787	297 *	187	167	4
Potri. 011Chr11	13370910	13371148	239 *	229	127	5
Potri. 011Chr11	13389192	13389676	485 *	225	288	3
Potri. 011Chr11	13861283	13861491	209 *	380	128	3
Potri. 011Chr11	14619743	14619978	236 *	188	113	3
Potri. 011Chr11	14663973	14664237	265 *	252	159	3
Potri. 011Chr11	15559310	15559948	639 *	177	432	3
Potri. 011Chr11	15681919	15682469	551 *	184	178	3
Potri. 011Chr11	15719434	15720275	842 *	272	715	5
Potri. 011Chr11	15776698	15777122	425 *	250	144	4
Potri. 011Chr11	16055882	16056093	212 *	411	107	3
Potri. 011Chr11	16096299	16096580	282 *	179	158	3
Potri. 011Chr11	16139170	16139431	262 *	197	132	3
Potri. 011Chr11	16376771	16376989	219 *	229	97	4

Potri. 011Chr11	16537079	16537513	435 *	169	293	3
Potri. 011Chr11	16787551	16787780	230 *	197	100	5
Potri. 011Chr11	16859757	16860001	245 *	177	106	4
Potri. 011Chr11	16941564	16941860	297 *	272	166	5
Potri. 011Chr11	17248568	17248796	229 *	175	108	5
Potri. 011Chr11	17976364	17976604	241 *	177	132	3
Potri. 011Chr11	18050016	18050691	676 *	277	498	3
Potri. 012Chr12	279345	279683	339 *	187	166	3
Potri. 012Chr12	429733	429953	221 *	229	105	4
Potri. 012Chr12	774277	774502	226 *	198	85	3
Potri. 012Chr12	878444	878674	231 *	232	121	3
Potri. 012Chr12	1662939	1663170	232 *	242	103	4
Potri. 012Chr12	1700840	1701206	367 *	210	229	3
Potri. 012Chr12	1770217	1770546	330 *	204	177	4
Potri. 012Chr12	1787499	1787713	215 *	168	124	3
Potri. 012Chr12	1875727	1875929	203 *	196	82	3
Potri. 012Chr12	2051145	2051446	302 *	192	191	3
Potri. 012Chr12	2142008	2142234	227 *	181	125	3
Potri. 012Chr12	3346451	3346697	247 *	202	143	4
Potri. 012Chr12	3633292	3633510	219 *	175	91	5
Potri. 012Chr12	3679420	3679644	225 *	176	125	4
Potri. 012Chr12	3767955	3768175	221 *	195	115	5
Potri. 012Chr12	3785404	3785650	247 *	285	105	4
Potri. 012Chr12	3846984	3847217	234 *	291	116	6
Potri. 012Chr12	3891244	3891507	264 *	254	133	4
Potri. 012Chr12	4989235	4989446	212 *	183	75	4
Potri. 012Chr12	5405245	5405472	228 *	177	126	4
Potri. 012Chr12	5439591	5439877	287 *	186	146	3
Potri. 012Chr12	5532896	5533125	230 *	185	118	2
Potri. 012Chr12	6265498	6265770	273 *	243	152	5
Potri. 012Chr12	6891658	6891862	205 *	185	132	3
Potri. 012Chr12	7038069	7038330	262 *	174	121	3
Potri. 012Chr12	7087561	7087907	347 *	716	200	3
Potri. 012Chr12	7487675	7487882	208 *	238	97	4
Potri. 012Chr12	8367004	8367382	379 *	341	202	4
Potri. 012Chr12	8481537	8481822	286 *	258	160	4
Potri. 012Chr12	8502904	8503165	262 *	249	128	4
Potri. 012Chr12	8845202	8845403	202 *	238	84	4
Potri. 012Chr12	9073318	9073533	216 *	192	84	3
Potri. 012Chr12	9215974	9216704	731 *	171	572	3
Potri. 012Chr12	9825741	9826156	416 *	173	270	3
Potri. 012Chr12	9832325	9832546	222 *	191	132	4
Potri. 012Chr12	9850644	9850876	233 *	209	95	5
Potri. 012Chr12	9901810	9902091	282 *	199	143	3
Potri. 012Chr12	9967460	9967687	228 *	204	105	5
Potri. 012Chr12	10013792	10014124	333 *	185	134	3
Potri. 012Chr12	10140422	10140680	259 *	175	119	5
Potri. 012Chr12	10421124	10421343	220 *	264	92	5
Potri. 012Chr12	10490328	10490562	235 *	217	123	3
Potri. 012Chr12	10531993	10532249	257 *	299	133	5
Potri. 012Chr12	10777583	10777798	216 *	331	124	3
Potri. 012Chr12	10956219	10956847	629 *	176	474	3
Potri. 012Chr12	11046450	11046815	366 *	265	196	4
Potri. 012Chr12	11144365	11144651	287 *	353	137	6

Potri. 012Chr12	11245027	11245453	427 *	170	136	3
Potri. 012Chr12	11349177	11349416	240 *	238	159	4
Potri. 012Chr12	11453611	11453843	233 *	203	114	4
Potri. 012Chr12	11589057	11589322	266 *	287	120	3
Potri. 012Chr12	11684858	11685336	479 *	191	144	3
Potri. 012Chr12	12014961	12015164	204 *	183	91	3
Potri. 012Chr12	12312788	12313203	416 *	333	204	3
Potri. 012Chr12	12359956	12360182	227 *	187	70	4
Potri. 012Chr12	12374717	12374919	203 *	200	105	3
Potri. 012Chr12	12421610	12421831	222 *	198	95	3
Potri. 012Chr12	12555547	12555862	316 *	209	172	3
Potri. 012Chr12	12772752	12772972	221 *	188	98	5
Potri. 012Chr12	12872671	12872880	210 *	303	116	3
Potri. 012Chr12	12897468	12897762	295 *	209	112	3
Potri. 012Chr12	13015456	13015722	267 *	249	150	4
Potri. 012Chr12	13055843	13056237	395 *	171	185	2
Potri. 012Chr12	13079362	13079582	221 *	188	125	5
Potri. 012Chr12	13224097	13224406	310 *	182	154	3
Potri. 012Chr12	13280498	13280720	223 *	177	122	4
Potri. 012Chr12	13707896	13708149	254 *	240	165	4
Potri. 012Chr12	13761533	13761756	224 *	195	86	5
Potri. 012Chr12	13977853	13978097	245 *	197	88	3
Potri. 012Chr12	14103319	14103535	217 *	169	145	5
Potri. 012Chr12	14120146	14120661	516 *	226	200	3
Potri. 012Chr12	14198834	14199046	213 *	169	99	3
Potri. 012Chr12	14245017	14245276	260 *	199	125	4
Potri. 012Chr12	14279764	14280003	240 *	214	131	3
Potri. 012Chr12	14356166	14356442	277 *	183	131	3
Potri. 012Chr12	14376476	14376687	212 *	169	93	5
Potri. 012Chr12	14456793	14457321	529 *	196	396	3
Potri. 012Chr12	14736852	14737208	357 *	175	185	3
Potri. 012Chr12	14780382	14780601	220 *	193	95	4
Potri. 012Chr12	14964775	14965018	244 *	169	126	3
Potri. 012Chr12	14973069	14973402	334 *	195	154	3
Potri. 012Chr12	15033803	15034026	224 *	172	100	4
Potri. 012Chr12	15087189	15087401	213 *	206	119	3
Potri. 012Chr12	15116262	15116476	215 *	199	106	3
Potri. 012Chr12	15123772	15124171	400 *	240	194	3
Potri. 012Chr12	15168580	15168920	341 *	347	180	3
Potri. 012Chr12	15239700	15239936	237 *	192	128	4
Potri. 012Chr12	15380375	15380653	279 *	230	143	5
Potri. 012Chr12	15463451	15463680	230 *	223	116	4
Potri. 012Chr12	15582553	15582973	421 *	172	170	3
Potri. 012Chr12	15624082	15624313	232 *	189	146	3
Potri. 012Chr12	15706156	15706422	267 *	186	77	3
Potri. 013Chr13	586923	587127	205 *	173	110	4
Potri. 013Chr13	635381	635924	544 *	210	163	3
Potri. 013Chr13	645484	645906	423 *	192	248	3
Potri. 013Chr13	792708	793014	307 *	182	180	4
Potri. 013Chr13	1139200	1139429	230 *	270	102	5
Potri. 013Chr13	1437542	1437829	288 *	183	188	3
Potri. 013Chr13	1676299	1676684	386 *	360	148	2
Potri. 013Chr13	1700265	1700574	310 *	204	136	4
Potri. 013Chr13	1738462	1738744	283 *	208	112	3

Potri. 013Chr13	2470014	2470260	247 *	212	106	4
Potri. 013Chr13	2500987	2501341	355 *	236	199	3
Potri. 013Chr13	2904593	2904806	214 *	178	85	4
Potri. 013Chr13	3360468	3360706	239 *	219	111	3
Potri. 013Chr13	3621400	3621688	289 *	277	144	4
Potri. 013Chr13	3632923	3633188	266 *	216	157	4
Potri. 013Chr13	3779731	3780132	402 *	187	296	3
Potri. 013Chr13	3992374	3992719	346 *	281	193	4
Potri. 013Chr13	4277138	4277584	447 *	180	344	3
Potri. 013Chr13	4567578	4567969	392 *	188	257	3
Potri. 013Chr13	5296954	5297207	254 *	642	123	3
Potri. 013Chr13	5605976	5606245	270 *	200	152	4
Potri. 013Chr13	5967622	5967910	289 *	203	163	4
Potri. 013Chr13	5973873	5974118	246 *	212	129	3
Potri. 013Chr13	6402281	6402538	258 *	402	130	2
Potri. 013Chr13	6403918	6404394	477 *	678	148	3
Potri. 013Chr13	6408437	6409840	1404 *	306	589	2
Potri. 013Chr13	6410049	6410744	696 *	304	511	2
Potri. 013Chr13	6414272	6414582	311 *	434	187	2
Potri. 013Chr13	6539352	6539662	311 *	181	183	3
Potri. 013Chr13	8397107	8397424	318 *	226	138	3
Potri. 013Chr13	8553850	8554074	225 *	170	83	4
Potri. 013Chr13	8676632	8676913	282 *	181	160	3
Potri. 013Chr13	9592001	9592225	225 *	337	124	2
Potri. 013Chr13	9857166	9857556	391 *	434	199	2
Potri. 013Chr13	10263688	10263962	275 *	205	137	4
Potri. 013Chr13	10308267	10308536	270 *	228	124	4
Potri. 013Chr13	10321529	10321772	244 *	259	104	5
Potri. 013Chr13	10736166	10736404	239 *	489	121	4
Potri. 013Chr13	10871684	10871887	204 *	180	94	4
Potri. 013Chr13	11150564	11150783	220 *	188	119	5
Potri. 013Chr13	11190269	11190503	235 *	193	139	5
Potri. 013Chr13	11656693	11657086	394 *	196	123	3
Potri. 013Chr13	11677172	11677583	412 *	168	160	3
Potri. 013Chr13	12163662	12163870	209 *	173	108	4
Potri. 013Chr13	12366040	12366491	452 *	208	156	3
Potri. 013Chr13	12676259	12676531	273 *	197	139	3
Potri. 013Chr13	12942050	12942787	738 *	173	637	3
Potri. 013Chr13	13253798	13254033	236 *	201	103	3
Potri. 013Chr13	13614224	13614445	222 *	246	87	3
Potri. 013Chr13	13699039	13699440	402 *	191	152	3
Potri. 013Chr13	13967624	13967834	211 *	516	102	3
Potri. 013Chr13	14041668	14041951	284 *	237	119	4
Potri. 013Chr13	14106801	14107231	431 *	177	330	4
Potri. 013Chr13	14522867	14523113	247 *	382	120	3
Potri. 013Chr13	14660552	14661673	1122 *	546	140	2
Potri. 013Chr13	14661984	14662610	627 *	258	237	2
Potri. 013Chr13	14662902	14663136	235 *	815	112	3
Potri. 013Chr13	14665264	14666214	951 *	349	183	2
Potri. 013Chr13	14666392	14667221	830 *	271	209	2
Potri. 013Chr13	14684602	14685046	445 *	218	352	3
Potri. 013Chr13	14752511	14753353	843 *	610	664	3
Potri. 013Chr13	14753839	14754066	228 *	743	106	3
Potri. 013Chr13	14754849	14755531	683 *	434	510	2

Potri. 013Chr13	14756198	14756471	274 *	367	191	2
Potri. 013Chr13	14757953	14758362	410 *	737	232	3
Potri. 013Chr13	14767526	14767773	248 *	915	134	3
Potri. 013Chr13	14770079	14770661	583 *	433	380	2
Potri. 013Chr13	14772548	14772884	337 *	508	174	2
Potri. 013Chr13	14775557	14775947	391 *	430	226	2
Potri. 013Chr13	14779113	14779325	213 *	597	83	4
Potri. 013Chr13	14785259	14785561	303 *	1228	140	4
Potri. 013Chr13	14788608	14789177	570 *	277	249	2
Potri. 013Chr13	14790886	14791178	293 *	607	127	3
Potri. 013Chr13	14792096	14792313	218 *	280	114	2
Potri. 013Chr13	14793673	14795142	1470 *	318	598	2
Potri. 013Chr13	14814110	14814340	231 *	459	125	3
Potri. 013Chr13	14826626	14826967	342 *	927	150	3
Potri. 013Chr13	14828531	14828784	254 *	687	146	3
Potri. 013Chr13	14831933	14832457	525 *	863	379	3
Potri. 013Chr13	14836049	14836265	217 *	857	89	3
Potri. 013Chr13	14836649	14836865	217 *	624	131	3
Potri. 013Chr13	14838921	14839387	467 *	615	243	3
Potri. 013Chr13	14842253	14842764	512 *	441	316	2
Potri. 013Chr13	14847329	14847686	358 *	380	154	2
Potri. 013Chr13	14849115	14850094	980 *	302	384	2
Potri. 013Chr13	14851957	14852325	369 *	546	160	3
Potri. 013Chr13	14853535	14853922	388 *	470	245	2
Potri. 013Chr13	14865360	14865596	237 *	358	97	2
Potri. 013Chr13	14866330	14866592	263 *	544	113	3
Potri. 013Chr13	14869475	14869947	473 *	341	333	2
Potri. 013Chr13	14878722	14879021	300 *	1015	157	3
Potri. 013Chr13	14879676	14880782	1107 *	451	180	2
Potri. 013Chr13	14881749	14882282	534 *	1017	377	3
Potri. 013Chr13	14883095	14883314	220 *	857	74	4
Potri. 013Chr13	14896132	14896381	250 *	747	128	3
Potri. 013Chr13	14907355	14907572	218 *	392	39	3
Potri. 013Chr13	14987548	14987800	253 *	203	135	4
Potri. 013Chr13	15389644	15390011	368 *	194	212	3
Potri. 013Chr13	15451378	15451617	240 *	182	137	3
Potri. 013Chr13	15643150	15643379	230 *	180	111	5
Potri. 013Chr13	15657913	15658151	239 *	175	102	4
Potri. 013Chr13	15717746	15717984	239 *	247	117	4
Potri. 013Chr13	15836524	15836740	217 *	374	100	3
Potri. 013Chr13	15903178	15903390	213 *	174	86	3
Potri. 013Chr13	16012205	16012458	254 *	180	87	3
Potri. 013Chr13	16069810	16070054	245 *	239	132	4
Potri. 013Chr13	16164331	16164605	275 *	281	148	6
Potri. 014Chr14	735918	736142	225 *	181	133	4
Potri. 014Chr14	1320621	1320867	247 *	242	93	5
Potri. 014Chr14	1492151	1492456	306 *	357	141	6
Potri. 014Chr14	1637553	1637791	239 *	191	123	3
Potri. 014Chr14	2172135	2172369	235 *	186	124	4
Potri. 014Chr14	3331410	3331703	294 *	193	146	4
Potri. 014Chr14	3441507	3441898	392 *	468	195	4
Potri. 014Chr14	3744572	3744802	231 *	181	104	4
Potri. 014Chr14	4120073	4120774	702 *	204	183	3
Potri. 014Chr14	4240183	4240396	214 *	261	107	3

Potri. 014Chr14	4247627	4247894	268 *	309	131	4
Potri. 014Chr14	4256216	4256475	260 *	286	100	3
Potri. 014Chr14	4261708	4261964	257 *	243	127	3
Potri. 014Chr14	4504359	4504665	307 *	170	151	4
Potri. 014Chr14	4654402	4654680	279 *	186	140	4
Potri. 014Chr14	4749908	4750303	396 *	250	274	3
Potri. 014Chr14	4771968	4772217	250 *	230	136	5
Potri. 014Chr14	5356907	5357219	313 *	192	139	4
Potri. 014Chr14	5539560	5539837	278 *	183	123	3
Potri. 014Chr14	6232305	6232575	271 *	177	117	3
Potri. 014Chr14	6386497	6386736	240 *	287	104	4
Potri. 014Chr14	6431184	6431637	454 *	357	121	3
Potri. 014Chr14	6549183	6549642	460 *	171	167	3
Potri. 014Chr14	6598631	6599200	570 *	185	148	3
Potri. 014Chr14	6975156	6975365	210 *	377	92	3
Potri. 014Chr14	6983024	6983371	348 *	194	154	4
Potri. 014Chr14	7117836	7118097	262 *	315	119	6
Potri. 014Chr14	7291885	7292103	219 *	178	86	4
Potri. 014Chr14	7987068	7987324	257 *	171	160	3
Potri. 014Chr14	8147135	8147397	263 *	183	128	3
Potri. 014Chr14	8232527	8232800	274 *	203	138	4
Potri. 014Chr14	9201094	9201411	318 *	195	137	4
Potri. 014Chr14	9345135	9345353	219 *	308	123	3
Potri. 014Chr14	9716376	9716605	230 *	209	115	5
Potri. 014Chr14	10022432	10022739	308 *	168	147	3
Potri. 014Chr14	10405941	10406300	360 *	428	201	5
Potri. 014Chr14	10418607	10418843	237 *	187	99	4
Potri. 014Chr14	10635097	10635313	217 *	181	112	4
Potri. 014Chr14	11046105	11046353	249 *	196	158	4
Potri. 014Chr14	11077199	11077427	229 *	407	130	3
Potri. 014Chr14	11132234	11132610	377 *	205	175	4
Potri. 014Chr14	11503902	11504202	301 *	178	134	3
Potri. 014Chr14	12212279	12212490	212 *	169	98	5
Potri. 014Chr14	12397126	12397396	271 *	269	130	5
Potri. 014Chr14	12601509	12601777	269 *	227	149	4
Potri. 014Chr14	12728202	12728494	293 *	168	176	3
Potri. 014Chr14	12946298	12946536	239 *	244	109	5
Potri. 014Chr14	13145245	13145569	325 *	189	173	4
Potri. 014Chr14	13563493	13563800	308 *	201	146	3
Potri. 014Chr14	13668119	13668437	319 *	487	157	5
Potri. 014Chr14	14101896	14102116	221 *	188	96	5
Potri. 014Chr14	14566009	14566226	218 *	245	113	4
Potri. 014Chr14	14599724	14600011	288 *	258	161	4
Potri. 014Chr14	14775846	14776143	298 *	175	152	4
Potri. 014Chr14	14837207	14837452	246 *	175	134	5
Potri. 014Chr14	15179903	15180132	230 *	192	128	5
Potri. 014Chr14	15933493	15933727	235 *	560	130	3
Potri. 014Chr14	16521024	16521270	247 *	383	102	2
Potri. 014Chr14	16649522	16649724	203 *	171	70	3
Potri. 014Chr14	16978898	16980182	1285 *	179	976	2
Potri. 014Chr14	16985454	16986796	1343 *	171	459	2
Potri. 014Chr14	17215397	17215628	232 *	405	113	3
Potri. 014Chr14	17260715	17261251	537 *	197	378	4
Potri. 014Chr14	17362526	17363026	501 *	183	127	4

Potri. 014Chr14	17500991	17501207	217 *	169	89	5
Potri. 014Chr14	17619992	17620248	257 *	230	127	5
Potri. 014Chr14	17648528	17648836	309 *	209	134	5
Potri. 014Chr14	17822783	17822993	211 *	291	95	5
Potri. 014Chr14	17879127	17879399	273 *	324	150	6
Potri. 014Chr14	17942805	17943028	224 *	181	118	4
Potri. 014Chr14	18135696	18135898	203 *	250	106	3
Potri. 014Chr14	18333017	18333238	222 *	357	119	4
Potri. 014Chr14	18419621	18419980	360 *	175	226	3
Potri. 015Chr15	461873	462108	236 *	181	95	4
Potri. 015Chr15	602061	602617	557 *	176	119	3
Potri. 015Chr15	941383	941595	213 *	177	128	4
Potri. 015Chr15	1854564	1854801	238 *	272	88	4
Potri. 015Chr15	1899690	1899953	264 *	179	150	3
Potri. 015Chr15	2345890	2346330	441 *	186	155	3
Potri. 015Chr15	2635540	2635772	233 *	180	104	4
Potri. 015Chr15	2937669	2937945	277 *	193	87	3
Potri. 015Chr15	3344859	3345118	260 *	174	116	3
Potri. 015Chr15	3489693	3489965	273 *	170	155	4
Potri. 015Chr15	3500748	3501045	298 *	192	163	4
Potri. 015Chr15	3694113	3694320	208 *	186	100	3
Potri. 015Chr15	3731711	3731941	231 *	178	74	4
Potri. 015Chr15	4009026	4009277	252 *	233	123	4
Potri. 015Chr15	4087629	4087945	317 *	175	194	3
Potri. 015Chr15	4098981	4099336	356 *	229	190	3
Potri. 015Chr15	4109875	4110361	487 *	304	369	6
Potri. 015Chr15	4401989	4402233	245 *	180	99	3
Potri. 015Chr15	4558037	4558245	209 *	311	90	2
Potri. 015Chr15	4967890	4968263	374 *	652	171	6
Potri. 015Chr15	5161556	5161836	281 *	386	140	6
Potri. 015Chr15	5411884	5412132	249 *	228	114	4
Potri. 015Chr15	5584983	5585207	225 *	191	121	5
Potri. 015Chr15	5662904	5663111	208 *	168	115	4
Potri. 015Chr15	6289629	6289839	211 *	267	104	3
Potri. 015Chr15	6322481	6322828	348 *	509	161	3
Potri. 015Chr15	6326514	6326745	232 *	628	123	3
Potri. 015Chr15	6409201	6409415	215 *	288	93	3
Potri. 015Chr15	6588669	6589028	360 *	185	190	3
Potri. 015Chr15	6571580	6571788	209 *	262	117	3
Potri. 015Chr15	6682178	6682397	220 *	172	123	3
Potri. 015Chr15	6969549	6969757	209 *	226	82	4
Potri. 015Chr15	7444315	7444539	225 *	168	113	5
Potri. 015Chr15	7978405	7978679	275 *	521	141	3
Potri. 015Chr15	8041979	8042479	501 *	232	107	3
Potri. 015Chr15	8388319	8388556	238 *	201	128	4
Potri. 015Chr15	8583408	8583620	213 *	193	91	4
Potri. 015Chr15	8887117	8887348	232 *	310	135	4
Potri. 015Chr15	9031032	9031331	300 *	207	154	4
Potri. 015Chr15	9289141	9289386	246 *	182	109	4
Potri. 015Chr15	9574403	9574642	240 *	251	121	5
Potri. 015Chr15	10235085	10235307	223 *	503	123	3
Potri. 015Chr15	11321131	11321356	226 *	173	146	4
Potri. 015Chr15	11995780	11996031	252 *	170	129	4
Potri. 015Chr15	12014481	12014793	313 *	181	148	4

Potri. 015Chr15	12110429	12110659	231 *	175	140	2
Potri. 015Chr15	12313711	12313968	258 *	210	141	5
Potri. 015Chr15	13068899	13069142	244 *	306	141	6
Potri. 015Chr15	13293696	13293938	243 *	187	160	3
Potri. 015Chr15	13307371	13307642	272 *	336	150	5
Potri. 015Chr15	13331956	13332356	401 *	202	249	3
Potri. 015Chr15	13653651	13653894	244 *	215	116	3
Potri. 015Chr15	13712456	13712705	250 *	399	129	5
Potri. 015Chr15	13741175	13741425	251 *	263	137	4
Potri. 015Chr15	14300750	14301043	294 *	258	148	4
Potri. 015Chr15	14918229	14918486	258 *	192	139	3
Potri. 015Chr15	14977099	14977362	264 *	250	105	4
Potri. 015Chr15	15241519	15241885	367 *	179	192	3
Potri. 016Chr16	530065	530375	311 *	185	150	3
Potri. 016Chr16	560815	561044	230 *	276	138	3
Potri. 016Chr16	625084	625538	455 *	254	335	5
Potri. 016Chr16	817876	818089	214 *	249	138	3
Potri. 016Chr16	905345	905600	256 *	237	96	3
Potri. 016Chr16	1443761	1443995	235 *	185	146	3
Potri. 016Chr16	1446034	1446240	207 *	176	74	3
Potri. 016Chr16	1626487	1626919	433 *	225	251	3
Potri. 016Chr16	1867470	1867723	254 *	214	155	4
Potri. 016Chr16	2510795	2511102	308 *	181	129	4
Potri. 016Chr16	2885831	2886045	215 *	172	101	3
Potri. 016Chr16	2906127	2906362	236 *	209	113	5
Potri. 016Chr16	3015631	3015863	233 *	175	116	5
Potri. 016Chr16	3200780	3201012	233 *	186	111	3
Potri. 016Chr16	3327866	3328462	597 *	168	118	3
Potri. 016Chr16	3406078	3406383	306 *	264	162	5
Potri. 016Chr16	3542430	3542665	236 *	196	93	4
Potri. 016Chr16	3618240	3618617	378 *	276	134	3
Potri. 016Chr16	3796009	3796626	618 *	176	310	3
Potri. 016Chr16	3872848	3873270	423 *	193	173	3
Potri. 016Chr16	3936618	3937099	482 *	203	376	4
Potri. 016Chr16	4119864	4120176	313 *	183	170	3
Potri. 016Chr16	4267058	4267301	244 *	241	117	3
Potri. 016Chr16	4315585	4315827	243 *	253	108	3
Potri. 016Chr16	4391481	4391751	271 *	192	152	4
Potri. 016Chr16	4948225	4948497	273 *	269	124	5
Potri. 016Chr16	5040280	5040498	219 *	169	121	5
Potri. 016Chr16	5526856	5527169	314 *	191	172	3
Potri. 016Chr16	5843554	5843822	269 *	329	151	6
Potri. 016Chr16	6063642	6064470	829 *	170	153	3
Potri. 016Chr16	6098891	6099288	398 *	392	172	4
Potri. 016Chr16	6579784	6580058	275 *	210	145	3
Potri. 016Chr16	6678744	6679083	340 *	179	200	3
Potri. 016Chr16	7275824	7276179	356 *	320	165	3
Potri. 016Chr16	7289451	7289729	279 *	203	133	4
Potri. 016Chr16	7689821	7690032	212 *	327	88	3
Potri. 016Chr16	7805504	7805767	264 *	186	152	4
Potri. 016Chr16	8010657	8010894	238 *	244	151	5
Potri. 016Chr16	8130685	8130911	227 *	214	114	3
Potri. 016Chr16	8218262	8218496	235 *	458	132	3
Potri. 016Chr16	8455733	8455966	234 *	259	118	5

Potri. 016Chr16	10368226	10368481	256 *	289	117	6
Potri. 016Chr16	10424885	10425228	344 *	185	141	3
Potri. 016Chr16	11061788	11061994	207 *	325	119	3
Potri. 016Chr16	11095519	11095738	220 *	246	109	3
Potri. 016Chr16	11214967	11215202	236 *	195	122	5
Potri. 016Chr16	12148167	12148407	241 *	204	150	3
Potri. 016Chr16	12349383	12350004	622 *	483	175	4
Potri. 016Chr16	12541018	12541219	202 *	215	85	3
Potri. 016Chr16	12602222	12602572	351 *	215	262	4
Potri. 016Chr16	13014275	13014476	202 *	196	96	3
Potri. 016Chr16	13270386	13270787	402 *	175	109	5
Potri. 016Chr16	13363981	13364208	228 *	380	130	3
Potri. 016Chr16	13763101	13763601	501 *	190	356	3
Potri. 016Chr16	13771339	13771632	294 *	192	148	4
Potri. 016Chr16	13842785	13843014	230 *	208	109	3
Potri. 016Chr16	13992626	13992871	246 *	170	104	4
Potri. 016Chr16	14175180	14175403	224 *	169	131	3
Potri. 016Chr16	14186333	14186653	321 *	185	142	3
Potri. 017Chr17	363315	363550	236 *	223	106	5
Potri. 017Chr17	473359	473579	221 *	175	127	5
Potri. 017Chr17	587365	587592	228 *	173	132	4
Potri. 017Chr17	697601	697802	202 *	218	87	2
Potri. 017Chr17	804357	804607	251 *	203	114	4
Potri. 017Chr17	947259	947479	221 *	175	117	4
Potri. 017Chr17	1821661	1822277	617 *	277	134	4
Potri. 017Chr17	2039379	2039849	471 *	198	156	3
Potri. 017Chr17	2166085	2166342	258 *	373	149	3
Potri. 017Chr17	2261594	2261979	386 *	188	242	3
Potri. 017Chr17	2355644	2355852	209 *	204	84	3
Potri. 017Chr17	2579352	2579643	292 *	185	138	3
Potri. 017Chr17	2665049	2665258	210 *	183	78	3
Potri. 017Chr17	3582131	3582363	233 *	244	130	5
Potri. 017Chr17	3596169	3596677	509 *	175	156	3
Potri. 017Chr17	3706748	3707072	325 *	259	143	5
Potri. 017Chr17	4048108	4048427	320 *	198	175	3
Potri. 017Chr17	4591715	4591934	220 *	215	73	3
Potri. 017Chr17	5654502	5654924	423 *	175	255	4
Potri. 017Chr17	5707856	5708331	476 *	226	353	4
Potri. 017Chr17	5868625	5868846	222 *	460	112	3
Potri. 017Chr17	5940914	5941147	234 *	582	118	3
Potri. 017Chr17	6939831	6940100	270 *	209	99	3
Potri. 017Chr17	7300015	7300245	231 *	874	128	5
Potri. 017Chr17	7358823	7359070	248 *	541	121	3
Potri. 017Chr17	7510308	7510541	234 *	362	141	4
Potri. 017Chr17	8293044	8293296	253 *	237	138	4
Potri. 017Chr17	8769072	8769288	217 *	343	123	3
Potri. 017Chr17	9597791	9598003	213 *	171	105	3
Potri. 017Chr17	9634484	9634763	280 *	179	201	4
Potri. 017Chr17	9812455	9812689	235 *	229	124	5
Potri. 017Chr17	10055068	10055295	228 *	550	94	3
Potri. 017Chr17	10335525	10335760	236 *	175	125	5
Potri. 017Chr17	10846559	10846767	209 *	171	84	4
Potri. 017Chr17	10937777	10937996	220 *	216	129	4
Potri. 017Chr17	11031114	11031464	351 *	261	210	5

Potri. 017Chr17	11508006	11508328	323 *	198	156	3
Potri. 017Chr17	11651802	11652103	302 *	236	125	4
Potri. 017Chr17	11720425	11720638	214 *	184	97	4
Potri. 017Chr17	11995502	11995733	232 *	178	106	3
Potri. 017Chr17	12180323	12180530	208 *	215	93	4
Potri. 017Chr17	12571528	12571742	215 *	170	90	4
Potri. 017Chr17	12622159	12622473	315 *	178	143	4
Potri. 017Chr17	12856876	12857104	229 *	188	124	5
Potri. 017Chr17	13004792	13005061	270 *	208	157	3
Potri. 017Chr17	13146131	13146415	285 *	248	134	4
Potri. 017Chr17	13184785	13184991	207 *	181	91	4
Potri. 017Chr17	13334335	13334709	375 *	179	206	3
Potri. 017Chr17	13533660	13533872	213 *	303	92	3
Potri. 017Chr17	14201299	14201507	209 *	185	121	4
Potri. 017Chr17	14231431	14231738	308 *	171	138	3
Potri. 017Chr17	14240930	14241156	227 *	170	127	3
Potri. 017Chr17	14446380	14446598	219 *	189	98	3
Potri. 017Chr17	14673370	14673631	262 *	188	142	5
Potri. 017Chr17	14723996	14724203	208 *	170	97	4
Potri. 017Chr17	14743710	14743957	248 *	206	104	4
Potri. 017Chr17	14752893	14753162	270 *	174	181	3
Potri. 017Chr17	14836792	14837023	232 *	491	95	3
Potri. 017Chr17	14837449	14837653	205 *	314	92	3
Potri. 017Chr17	15101487	15102270	784 *	212	225	2
Potri. 017Chr17	15518775	15519123	349 *	173	154	3
Potri. 017Chr17	15809444	15809659	216 *	178	103	4
Potri. 017Chr17	15920269	15921049	781 *	196	340	3
Potri. 018Chr18	772358	772608	251 *	170	156	3
Potri. 018Chr18	839474	839693	220 *	175	110	5
Potri. 018Chr18	1278807	1279016	210 *	179	107	3
Potri. 018Chr18	1499901	1500118	218 *	193	91	5
Potri. 018Chr18	1748579	1748897	319 *	189	180	4
Potri. 018Chr18	2322662	2322924	263 *	175	90	3
Potri. 018Chr18	2343894	2344167	274 *	205	156	4
Potri. 018Chr18	2355474	2355775	302 *	233	174	4
Potri. 018Chr18	2437335	2437686	352 *	317	176	2
Potri. 018Chr18	2684266	2684518	253 *	181	158	4
Potri. 018Chr18	3014239	3014597	359 *	175	220	4
Potri. 018Chr18	3107667	3107892	226 *	530	127	3
Potri. 018Chr18	3229837	3230082	246 *	352	121	6
Potri. 018Chr18	3799429	3799687	259 *	924	121	3
Potri. 018Chr18	4016125	4016365	241 *	195	144	5
Potri. 018Chr18	4061342	4061794	453 *	221	183	2
Potri. 018Chr18	4112354	4112573	220 *	225	116	4
Potri. 018Chr18	4160529	4160751	223 *	297	119	4
Potri. 018Chr18	4435302	4435649	348 *	215	156	4
Potri. 018Chr18	4690898	4691105	208 *	239	139	3
Potri. 018Chr18	5031688	5031913	226 *	349	95	3
Potri. 018Chr18	5242377	5242612	236 *	898	120	4
Potri. 018Chr18	5636568	5636770	203 *	264	97	3
Potri. 018Chr18	5770252	5770719	468 *	211	338	4
Potri. 018Chr18	6207695	6207942	248 *	182	162	4
Potri. 018Chr18	6289530	6289746	217 *	181	117	4
Potri. 018Chr18	6400348	6400583	236 *	177	146	4

Potri. 018Chr18	6617839	6618084	246 *	704	135	6
Potri. 018Chr18	7356032	7356235	204 *	184	97	2
Potri. 018Chr18	7768175	7768466	292 *	189	120	2
Potri. 018Chr18	8130695	8130952	258 *	181	137	4
Potri. 018Chr18	9329858	9330060	203 *	366	109	3
Potri. 018Chr18	10091057	10091491	435 *	174	309	3
Potri. 018Chr18	10158223	10158437	215 *	175	115	4
Potri. 018Chr18	10521460	10521856	397 *	199	246	3
Potri. 018Chr18	10734364	10734723	360 *	186	227	3
Potri. 018Chr18	11169234	11169541	308 *	204	164	3
Potri. 018Chr18	11640501	11640729	229 *	269	130	4
Potri. 018Chr18	11706478	11706743	266 *	573	138	6
Potri. 018Chr18	11812258	11812488	231 *	240	126	4
Potri. 018Chr18	12559350	12559659	310 *	220	158	4
Potri. 018Chr18	12642901	12643260	360 *	180	170	3
Potri. 018Chr18	12797411	12797679	269 *	223	124	4
Potri. 018Chr18	13033689	13033899	211 *	188	114	5
Potri. 018Chr18	13215049	13215268	220 *	201	123	4
Potri. 018Chr18	13662298	13662651	354 *	187	185	4
Potri. 018Chr18	13777968	13778222	255 *	274	125	3
Potri. 018Chr18	13916082	13916664	583 *	193	422	3
Potri. 018Chr18	15181502	15181883	382 *	182	251	4
Potri. 018Chr18	15517355	15517558	204 *	188	122	5
Potri. 018Chr18	15591553	15591759	207 *	216	140	3
Potri. 018Chr18	15620341	15620542	202 *	211	101	3
Potri. 018Chr18	15739345	15739603	259 *	192	141	4
Potri. 018Chr18	15995787	15996100	314 *	263	151	4
Potri. 018Chr18	16893449	16893702	254 *	350	135	5
Potri. 019Chr19	160656	160927	272 *	323	133	5
Potri. 019Chr19	286217	286607	391 *	214	269	3
Potri. 019Chr19	457307	457518	212 *	214	92	4
Potri. 019Chr19	560449	560660	212 *	189	102	4
Potri. 019Chr19	1380794	1381007	214 *	177	111	4
Potri. 019Chr19	1431883	1432455	573 *	194	430	4
Potri. 019Chr19	1487580	1487814	235 *	188	108	5
Potri. 019Chr19	1926344	1926562	219 *	218	124	4
Potri. 019Chr19	1984778	1985045	268 *	196	106	4
Potri. 019Chr19	1998582	1998824	243 *	266	133	5
Potri. 019Chr19	2143248	2143463	216 *	253	65	3
Potri. 019Chr19	2175572	2175811	240 *	179	95	4
Potri. 019Chr19	2310559	2310857	299 *	168	113	3
Potri. 019Chr19	2425264	2425873	610 *	271	145	3
Potri. 019Chr19	2704860	2705414	555 *	182	173	3
Potri. 019Chr19	2751653	2751916	264 *	320	120	3
Potri. 019Chr19	3188226	3188439	214 *	228	59	3
Potri. 019Chr19	3192907	3193128	222 *	642	109	4
Potri. 019Chr19	3194890	3195647	758 *	292	389	2
Potri. 019Chr19	3202901	3203470	570 *	923	129	3
Potri. 019Chr19	3204251	3204503	253 *	629	118	3
Potri. 019Chr19	3347902	3348239	338 *	210	177	3
Potri. 019Chr19	3790649	3790908	260 *	316	138	6
Potri. 019Chr19	3831881	3832177	297 *	219	136	3
Potri. 019Chr19	3870187	3870464	278 *	258	143	4
Potri. 019Chr19	4765413	4765637	225 *	197	151	4

Potri. 019Chr19	4775656	4775884	229 *	406	101	3
Potri. 019Chr19	4984821	4985392	572 *	172	428	3
Potri. 019Chr19	5166187	5166408	222 *	175	115	5
Potri. 019Chr19	5185644	5185882	239 *	247	146	4
Potri. 019Chr19	5215445	5215649	205 *	281	110	3
Potri. 019Chr19	5248776	5249018	243 *	191	104	3
Potri. 019Chr19	5320875	5321121	247 *	808	139	3
Potri. 019Chr19	5545993	5546563	571 *	291	434	2
Potri. 019Chr19	5559122	5559340	219 *	247	106	3
Potri. 019Chr19	6691063	6691619	557 *	404	92	3
Potri. 019Chr19	6933162	6933389	228 *	182	139	3
Potri. 019Chr19	6959709	6959952	244 *	218	119	4
Potri. 019Chr19	7262737	7262938	202 *	181	128	2
Potri. 019Chr19	7535840	7536112	273 *	346	149	6
Potri. 019Chr19	7814338	7814648	311 *	294	156	6
Potri. 019Chr19	7832460	7832781	322 *	785	174	3
Potri. 019Chr19	7834493	7834749	257 *	509	120	3
Potri. 019Chr19	9847551	9847805	255 *	238	150	4
Potri. 019Chr19	9943058	9943266	209 *	261	107	3
Potri. 019Chr19	9986720	9987027	308 *	309	151	2
Potri. 019Chr19	10011824	10012061	238 *	183	162	4
Potri. 019Chr19	10242307	10242642	336 *	186	125	3
Potri. 019Chr19	10496412	10496648	237 *	188	120	5
Potri. 019Chr19	10681745	10682003	259 *	176	107	3
Potri. 019Chr19	11359705	11359914	210 *	173	107	4
Potri. 019Chr19	11772245	11772480	236 *	169	146	5
Potri. 019Chr19	11801277	11801588	312 *	281	145	5
Potri. 019Chr19	12251353	12251619	267 *	187	138	4
Potri. 019Chr19	12260884	12261174	291 *	171	113	3
Potri. 019Chr19	12331612	12331842	231 *	271	124	4
Potri. 019Chr19	12958554	12958796	243 *	210	127	5
Potri. 019Chr19	13002509	13002946	438 *	191	319	4
Potri. 019Chr19	13062550	13062795	246 *	304	108	5
Potri. 019Chr19	13316679	13316924	246 *	203	87	4
Potri. 019Chr19	13374682	13374888	207 *	197	90	3
Potri. 019Chr19	13567662	13567880	219 *	179	121	3
Potri. 019Chr19	13674062	13674281	220 *	192	105	4
Potri. 019Chr19	14453979	14454208	230 *	175	117	4
Potri. 019Chr19	14853067	14853277	211 *	259	65	4
Potri. 019Chr19	15187623	15187921	299 *	192	156	4
Potri. 019Chr19	15371466	15371738	273 *	195	142	3
Potri. 019Chr19	15897031	15897496	466 *	223	145	5
Potri. T00scaffold_	140563	140786	224 *	252	99	4
Potri. T00scaffold_	235955	236178	224 *	580	121	3
Potri. T00scaffold_	529210	529440	231 *	255	136	4
Potri. T00scaffold_	339895	340230	336 *	777	153	3
Potri. T00scaffold_	437154	437696	543 *	446	410	3
Potri. T00scaffold_	438879	439424	546 *	313	141	2
Potri. T00scaffold_	697168	697374	207 *	330	105	3
Potri. T00scaffold_	746250	746665	416 *	271	218	2
Potri. T01scaffold_	101172	101701	530 *	272	430	3
Potri. T01scaffold_	120325	120527	203 *	195	108	3
Potri. T01scaffold_	381765	381981	217 *	232	134	4
Potri. T01scaffold_	396446	396714	269 *	224	149	3

Potri.T01scaffold_	536084	536377	294 *	177	156	4
Potri.T01scaffold_	466595	466834	240 *	374	141	3
Potri.T01scaffold_	192813	193031	219 *	398	96	4
Potri.T02scaffold_	226718	227001	284 *	575	149	3
Potri.T02scaffold_	127749	127967	219 *	198	85	4
Potri.T02scaffold_	174244	174485	242 *	188	105	5
Potri.T02scaffold_	341603	341811	209 *	216	114	3
Potri.T02scaffold_	366468	366705	238 *	637	109	3
Potri.T02scaffold_	97826	98042	217 *	281	94	4
Potri.T03scaffold_	30325	30543	219 *	169	78	5
Potri.T03scaffold_	229679	229892	214 *	317	154	4
Potri.T03scaffold_	251446	251746	301 *	244	158	5
Potri.T03scaffold_	247062	247562	501 *	383	116	3
Potri.T03scaffold_	263597	263824	228 *	360	108	4
Potri.T03scaffold_	272244	272483	240 *	473	112	3
Potri.T04scaffold_	109281	109492	212 *	313	120	3
Potri.T04scaffold_	153530	153744	215 *	247	121	3
Potri.T04scaffold_	91807	92077	271 *	368	147	7
Potri.T04scaffold_	191964	192239	276 *	196	140	4
Potri.T04scaffold_	51381	51608	228 *	401	106	3
Potri.T04scaffold_	163693	163961	269 *	183	183	2
Potri.T04scaffold_	196942	197161	220 *	175	136	5
Potri.T04scaffold_	277166	277404	239 *	209	141	5
Potri.T04scaffold_	20466	20710	245 *	188	179	5
Potri.T05scaffold_	187580	187803	224 *	312	103	4
Potri.T05scaffold_	131452	131653	202 *	172	110	3
Potri.T05scaffold_	203202	203458	257 *	192	146	4
Potri.T05scaffold_	68538	68839	302 *	296	132	2
Potri.T05scaffold_	183397	183607	211 *	293	113	3
Potri.T05scaffold_	110637	110860	224 *	633	135	3
Potri.T06scaffold_	106148	106509	362 *	203	198	4
Potri.T06scaffold_	112672	112987	316 *	176	168	3
Potri.T06scaffold_	116742	116996	255 *	589	125	3
Potri.T07scaffold_	11224	11477	254 *	215	137	3
Potri.T07scaffold_	71376	71636	261 *	467	143	2
Potri.T07scaffold_	124652	124857	206 *	186	131	3
Potri.T08scaffold_	100694	100965	272 *	220	168	4
Potri.T08scaffold_	96266	96549	284 *	443	146	3
Potri.T08scaffold_	16883	17093	211 *	185	97	3
Potri.T08scaffold_	97582	97947	366 *	176	188	3
Potri.T09scaffold_	60594	60804	211 *	329	108	3
Potri.T09scaffold_	2089	2308	220 *	176	134	4
Potri.T09scaffold_	16648	16862	215 *	172	127	4
Potri.T09scaffold_	58552	58835	284 *	378	165	3
Potri.T09scaffold_	67004	67373	370 *	177	259	2
Potri.T10scaffold_	15545	17317	1773 *	198	311	2
Potri.T10scaffold_	23429	23762	334 *	338	177	2
Potri.T10scaffold_	61178	61730	553 *	756	130	3
Potri.T10scaffold_	54053	54260	208 *	281	102	3
Potri.T10scaffold_	85032	85318	287 *	210	151	5
Potri.T10scaffold_	8098	8322	225 *	427	122	3
Potri.T10scaffold_	8036	8282	247 *	205	94	3
Potri.T10scaffold_	15185	15418	234 *	208	116	5
Potri.T11scaffold_	37809	38018	210 *	221	101	3

Potri.T11scaffold_	26116	26350	235 *	195	126	5
Potri.T11scaffold_	70116	70351	236 *	410	100	5
Potri.T11scaffold_	21341	21569	229 *	341	109	4
Potri.T11scaffold_	30570	30802	233 *	233	120	5
Potri.T11scaffold_	48324	48548	225 *	193	126	4
Potri.T12scaffold_	13379	13646	268 *	294	150	5
Potri.T12scaffold_	54639	54844	206 *	176	64	3
Potri.T13scaffold_	22836	23061	226 *	243	100	3
Potri.T13scaffold_	39844	40048	205 *	186	83	3
Potri.T14scaffold_	37592	37802	211 *	258	105	4
Potri.T14scaffold_	6513	6729	217 *	190	79	3
Potri.T14scaffold_	14708	14914	207 *	195	117	5
Potri.T15scaffold_	3858	4117	260 *	252	143	3
Potri.T16scaffold_	12743	13173	431 *	196	193	3
Potri.T16scaffold_	12154	12726	573 *	221	267	2
Potri.T17scaffold_	3245	3462	218 *	170	77	4
Potri.T17scaffold_	9712	9950	239 *	183	123	4
Potri.T17scaffold_	31495	31728	234 *	380	96	3
Potri.T17scaffold_	18985	19243	259 *	205	91	4
Potri.T17scaffold_	1678	1928	251 *	208	104	4
Potri.T17scaffold_	1992	2197	206 *	250	66	3

thick.	endthick.	widitem	Rgb	peak	start_pos	end_pos	feature_s	inside	Feat	distancet
21	17	NA		LBD21.31R	931891	937283	+	upstream		-2746
17	16	NA		LBD21.31R	1858218	1858899	-	downstrea		4301
19	16	NA		LBD21.31R	2419636	2425132	-	overlapSt		70
19	16	NA		LBD21.31R	2563817	2582977	+	upstream		-2658
26	23	NA		LBD21.31R	3608830	3616405	+	downstrea		11185
21	19	NA		LBD21.31R	3640591	3642167	+	upstream		-14969
17	14	NA		LBD21.31R	3655019	3662744	+	inside		2877
18	16	NA		LBD21.31R	3866711	3875990	+	inside		1031
44	42	NA		LBD21.31R	4424461	4425107	-	inside		540
17	14	NA		LBD21.31R	4471426	4472137	-	downstrea		4969
17	14	NA		LBD21.31R	4726501	4726914	+	downstrea		599
20	17	NA		LBD21.31R	4738951	4744301	+	upstream		-499
17	15	NA		LBD21.31R	4817225	4820458	+	inside		214
57	54	NA		LBD21.31R	5081114	5083400	-	upstream		-234
17	14	NA		LBD21.31R	5163758	5164215	+	downstrea		487
21	17	NA		LBD21.31R	5525312	5526193	+	upstream		-6925
19	16	NA		LBD21.31R	5528912	5531093	+	downstrea		3415
19	17	NA		LBD21.31R	5594633	5596573	+	upstream		-289
17	15	NA		LBD21.31R	5695547	5701591	-	inside		270
17	14	NA		LBD21.31R	5712602	5713239	-	overlapSt		183
24	22	NA		LBD21.31R	6537780	6548390	+	inside		650
18	15	NA		LBD21.31R	6608926	6610764	-	upstream		-739
23	20	NA		LBD21.31R	6817441	6820954	+	inside		2768
24	20	NA		LBD21.31R	7116809	7118715	+	inside		1357
19	17	NA		LBD21.31R	7161567	7161995	-	upstream		-431
19	16	NA		LBD21.31R	7162074	7164172	-	upstream		-986
19	16	NA		LBD21.31R	7201940	7204932	+	inside		993
20	18	NA		LBD21.31R	8136078	8139864	+	upstream		-448
20	18	NA		LBD21.31R	8144938	8152505	+	inside		3389
16	12	NA		LBD21.31R	8563785	8564939	-	upstream		-277
19	16	NA		LBD21.31R	9208104	9209012	-	upstream		-2680
17	14	NA		LBD21.31R	9228514	9229965	-	downstrea		8870
31	27	NA		LBD21.31R	9497158	9500671	+	inside		1850
21	18	NA		LBD21.31R	9532286	9534455	-	downstrea		3091
17	15	NA		LBD21.31R	9856787	9866426	+	upstream		-607
22	20	NA		LBD21.31R	9962114	9963181	+	downstrea		3357
17	13	NA		LBD21.31R	10705848	10712357	-	inside		3201
18	16	NA		LBD21.31R	11013679	11014410	-	overlapSt		62
23	20	NA		LBD21.31R	11300605	11302211	-	upstream		-2025
36	35	NA		LBD21.31R	11492791	11497064	+	upstream		-1174
20	19	NA		LBD21.31R	11542659	11544254	-	upstream		-19426
18	16	NA		LBD21.31R	12170721	12173268	+	downstrea		9948
18	15	NA		LBD21.31R	12721833	12723526	+	upstream		-1537
28	25	NA		LBD21.31R	13280030	13281057	+	downstrea		2347
20	17	NA		LBD21.31R	13556117	13556365	+	downstrea		902
19	17	NA		LBD21.31R	13976442	13981566	-	inside		1035
22	18	NA		LBD21.31R	14218530	14221206	-	upstream		-7148
21	19	NA		LBD21.31R	14797301	14801934	+	inside		3201
20	18	NA		LBD21.31R	14992433	14993839	+	downstrea		1959
34	30	NA		LBD21.31R	15234652	15237125	-	inside		2391
16	12	NA		LBD21.31R	15542075	15545257	-	upstream		-3673

17	14 NA	LBD21. 31R 15639966	15640319 -	downstrea	2587
20	16 NA	LBD21. 31R 15650879	15654047 -	upstream	-304
31	29 NA	LBD21. 31R 16015850	16019299 +	upstream	-4277
16	14 NA	LBD21. 31R 16053844	16057783 -	inside	1408
19	17 NA	LBD21. 31R 16178623	16183438 -	inside	1638
18	16 NA	LBD21. 31R 16389360	16390346 +	downstrea	2299
16	14 NA	LBD21. 31R 17034511	17041769 +	inside	2781
18	17 NA	LBD21. 31R 17234276	17239905 -	inside	4293
41	40 NA	LBD21. 31R 17650350	17656084 -	downstrea	6780
18	15 NA	LBD21. 31R 17698397	17700840 +	upstream	-2820
19	17 NA	LBD21. 31R 18382069	18382905 +	downstrea	90189
27	25 NA	LBD21. 31R 18767933	18772523 +	downstrea	19821
21	17 NA	LBD21. 31R 18808260	18809389 -	upstream	-29226
16	12 NA	LBD21. 31R 19160680	19162246 -	upstream	-4316
20	17 NA	LBD21. 31R 19204737	19210160 -	inside	2439
37	35 NA	LBD21. 31R 19240538	19240907 +	upstream	-8100
20	18 NA	LBD21. 31R 19474731	19479610 -	inside	2680
29	27 NA	LBD21. 31R 19852151	19852980 +	overlapSt	-35
24	22 NA	LBD21. 31R 20658471	20661501 +	upstream	-770
25	22 NA	LBD21. 31R 20750806	20752266 +	upstream	-3060
23	19 NA	LBD21. 31R 20856453	20862070 -	upstream	-1541
25	21 NA	LBD21. 31R 20933078	20936228 +	overlapSt	-87
34	31 NA	LBD21. 31R 20943752	20958263 -	inside	8570
22	20 NA	LBD21. 31R 21096101	21098276 -	downstrea	3354
23	20 NA	LBD21. 31R 21210427	21214178 -	downstrea	6629
27	25 NA	LBD21. 31R 21262213	21263432 -	upstream	-22035
26	22 NA	LBD21. 31R 21731709	21738117 +	inside	3919
20	18 NA	LBD21. 31R 21764257	21776257 -	inside	8616
28	25 NA	LBD21. 31R 21798119	21805355 +	inside	2068
20	18 NA	LBD21. 31R 22029049	22033651 -	inside	4461
23	20 NA	LBD21. 31R 22363394	22367792 -	inside	681
18	16 NA	LBD21. 31R 22652944	22656415 -	inside	1852
23	20 NA	LBD21. 31R 22842447	22843911 -	overlapEn	1465
16	14 NA	LBD21. 31R 23047696	23054875 -	inside	1409
24	20 NA	LBD21. 31R 24556970	24562120 -	downstrea	7432
35	32 NA	LBD21. 31R 25022582	25027843 +	inside	151
21	18 NA	LBD21. 31R 25214577	25214992 -	upstream	-335
29	25 NA	LBD21. 31R 25372661	25378972 -	inside	2325
22	19 NA	LBD21. 31R 25408006	25410298 -	upstream	-199
24	20 NA	LBD21. 31R 26016050	26017786 -	upstream	-5132
53	51 NA	LBD21. 31R 26610644	26613598 -	inside	669
17	15 NA	LBD21. 31R 26778088	26781152 -	upstream	-2849
20	18 NA	LBD21. 31R 26837127	26838989 +	overlapSt	-114
22	19 NA	LBD21. 31R 27283889	27284421 +	downstrea	3242
34	30 NA	LBD21. 31R 27813645	27816590 -	upstream	-5579
20	17 NA	LBD21. 31R 28008504	28009538 +	downstrea	6130
44	42 NA	LBD21. 31R 28195252	28200532 -	upstream	-2392
20	18 NA	LBD21. 31R 28405728	28407043 -	inside	696
17	15 NA	LBD21. 31R 28524787	28536154 +	inside	2079
19	16 NA	LBD21. 31R 28644983	28646106 +	downstrea	2310
19	16 NA	LBD21. 31R 28656046	28658388 -	upstream	-601
17	13 NA	LBD21. 31R 28983611	28985938 -	inside	1156
29	28 NA	LBD21. 31R 29390781	29391222 -	inside	405
22	18 NA	LBD21. 31R 29748443	29750426 -	downstrea	7544

20	18 NA	LBD21. 31R 31452614	31455086 +	upstream	-3823
17	15 NA	LBD21. 31R 32044646	32052144 -	inside	3411
34	32 NA	LBD21. 31R 33457530	33457793 -	overlapSt	201
18	16 NA	LBD21. 31R 33568408	33569446 -	upstream	-1135
21	18 NA	LBD21. 31R 33830169	33836654 +	upstream	-1601
21	19 NA	LBD21. 31R 33904534	33907921 -	upstream	-8033
17	15 NA	LBD21. 31R 33974233	33976599 -	inside	494
22	19 NA	LBD21. 31R 34176754	34177827 -	inside	981
20	17 NA	LBD21. 31R 34316929	34319074 +	upstream	-392
19	16 NA	LBD21. 31R 35235297	35238324 -	downstrea	5682
17	15 NA	LBD21. 31R 35577723	35589740 +	inside	927
20	17 NA	LBD21. 31R 35908608	35909747 -	upstream	-13637
19	17 NA	LBD21. 31R 36110950	36111162 +	upstream	-1729
18	16 NA	LBD21. 31R 36660993	36687274 +	inside	7059
18	16 NA	LBD21. 31R 36703035	36719635 -	inside	370
17	15 NA	LBD21. 31R 36770585	36775252 -	inside	1264
18	15 NA	LBD21. 31R 37061055	37068329 -	upstream	-4688
21	19 NA	LBD21. 31R 37165684	37172818 -	inside	2033
29	25 NA	LBD21. 31R 37970473	37974990 -	overlapEn	4824
22	18 NA	LBD21. 31R 38179930	38187645 -	upstream	-7750
20	17 NA	LBD21. 31R 38536483	38543085 -	upstream	-3697
17	15 NA	LBD21. 31R 38576579	38585411 +	inside	4441
30	25 NA	LBD21. 31R 38900791	38901054 -	downstrea	783
17	14 NA	LBD21. 31R 39459775	39461919 -	downstrea	20653
16	14 NA	LBD21. 31R 39935036	39935322 +	upstream	-8125
17	15 NA	LBD21. 31R 40072674	40074996 -	upstream	-11083
32	30 NA	LBD21. 31R 40126837	40127766 -	downstrea	4693
17	13 NA	LBD21. 31R 40937912	40940508 -	upstream	-3171
52	50 NA	LBD21. 31R 41014240	41017948 -	inside	1999
17	14 NA	LBD21. 31R 41340927	41349252 -	upstream	-3256
41	39 NA	LBD21. 31R 41624735	41626633 +	downstrea	8901
23	19 NA	LBD21. 31R 41808763	41810069 -	downstrea	4576
21	18 NA	LBD21. 31R 42015598	42016722 -	upstream	-4637
21	19 NA	LBD21. 31R 42080004	42085667 -	inside	2109
26	23 NA	LBD21. 31R 42379094	42379882 -	upstream	-603
19	15 NA	LBD21. 31R 42906326	42908305 +	upstream	-4708
27	24 NA	LBD21. 31R 43033549	43041023 +	inside	3284
18	15 NA	LBD21. 31R 43536705	43537358 -	downstrea	3615
18	15 NA	LBD21. 31R 43699392	43703438 +	upstream	-5966
36	35 NA	LBD21. 31R 43726632	43728235 -	inside	1555
20	18 NA	LBD21. 31R 43782426	43783058 -	downstrea	4225
19	16 NA	LBD21. 31R 43866229	43868094 +	upstream	-2579
18	15 NA	LBD21. 31R 43906681	43908252 -	overlapSt	231
34	31 NA	LBD21. 31R 44051744	44055305 -	inside	3268
20	17 NA	LBD21. 31R 44498537	44503774 -	inside	3720
54	52 NA	LBD21. 31R 45270331	45272211 -	upstream	-14455
16	14 NA	LBD21. 31R 45654246	45654401 +	upstream	-10497
46	44 NA	LBD21. 31R 45750195	45758236 -	downstrea	39277
24	22 NA	LBD21. 31R 45800670	45801056 -	upstream	-3720
24	22 NA	LBD21. 31R 46960726	46962464 +	downstrea	3595
16	12 NA	LBD21. 31R 47055702	47057826 -	inside	2083
17	15 NA	LBD21. 31R 47355398	47356346 -	upstream	-2148
29	26 NA	LBD21. 31R 47420222	47423184 -	upstream	-4110
25	21 NA	LBD21. 31R 47798128	47798564 +	downstrea	2888

30	27 NA	LBD21. 31R 47869531	47873726 -	upstream	-3804
20	17 NA	LBD21. 31R 48294396	48295061 -	downstrea	3697
30	26 NA	LBD21. 31R 48744474	48747110 +	downstrea	4386
23	21 NA	LBD21. 31R 48820335	48827240 +	inside	1361
17	15 NA	LBD21. 31R 49081099	49084625 -	overlapSt	471
17	14 NA	LBD21. 31R 49248574	49249820 +	downstrea	21292
17	14 NA	LBD21. 31R 49433260	49437196 +	downstrea	7399
24	22 NA	LBD21. 31R 49658499	49662020 +	upstream	-1248
19	17 NA	LBD21. 31R 50301341	50304285 +	overlapSt	-447
18	16 NA	LBD21. 31R 50307952	50312306 -	inside	2202
18	16 NA	LBD21. 31R 50403482	50409278 -	inside	1547
20	18 NA	LBD21. 31R 80364	85282 +	upstream	-3566
19	17 NA	LBD21. 31R 240097	242866 -	inside	469
27	23 NA	LBD21. 31R 673530	674147 -	inside	517
25	23 NA	LBD21. 31R 1269779	1270145 -	downstrea	6128
21	19 NA	LBD21. 31R 1762114	1764183 +	inside	118
19	16 NA	LBD21. 31R 1813265	1814888 -	upstream	-9787
34	32 NA	LBD21. 31R 1824453	1838295 -	inside	10252
18	15 NA	LBD21. 31R 1947603	1948965 +	inside	492
18	16 NA	LBD21. 31R 2325652	2333498 -	inside	5493
32	29 NA	LBD21. 31R 2373460	2374844 +	upstream	-408
17	15 NA	LBD21. 31R 2557989	2565187 -	inside	820
33	31 NA	LBD21. 31R 2560092	2560412 +	inside	86
18	16 NA	LBD21. 31R 2759390	2760947 -	upstream	-1041
67	63 NA	LBD21. 31R 2804643	2807203 +	inside	233
19	16 NA	LBD21. 31R 3157120	3158261 +	upstream	-7186
28	25 NA	LBD21. 31R 3186386	3192465 -	inside	1003
26	23 NA	LBD21. 31R 3253001	3261425 -	inside	1555
41	38 NA	LBD21. 31R 3483467	3485264 +	inside	746
19	17 NA	LBD21. 31R 3654028	3655628 -	downstrea	2025
18	16 NA	LBD21. 31R 3665608	3675093 +	inside	3124
38	37 NA	LBD21. 31R 3748149	3751459 -	overlapSt	265
20	17 NA	LBD21. 31R 3782590	3787280 +	overlapSt	-45
28	26 NA	LBD21. 31R 3848631	3851551 +	inside	271
16	14 NA	LBD21. 31R 4202354	4203809 +	downstrea	1804
18	16 NA	LBD21. 31R 4727613	4728448 -	downstrea	2344
17	14 NA	LBD21. 31R 4816840	4817893 -	overlapSt	260
21	18 NA	LBD21. 31R 4988728	4995830 -	upstream	-2007
22	19 NA	LBD21. 31R 5058199	5066302 +	upstream	-326
17	16 NA	LBD21. 31R 5242804	5253709 -	upstream	-2512
46	44 NA	LBD21. 31R 5521471	5523733 -	upstream	-671
30	27 NA	LBD21. 31R 5549316	5549963 +	inside	99
19	16 NA	LBD21. 31R 5798611	5800222 -	upstream	-1143
25	22 NA	LBD21. 31R 5971484	5974511 -	inside	857
17	15 NA	LBD21. 31R 6026827	6029904 -	inside	1978
35	33 NA	LBD21. 31R 6134192	6137820 -	upstream	-2246
17	13 NA	LBD21. 31R 6300384	6304858 +	upstream	-4650
20	18 NA	LBD21. 31R 6541365	6544162 -	inside	1932
17	15 NA	LBD21. 31R 6758985	6761062 +	inside	1376
17	14 NA	LBD21. 31R 6809734	6813364 +	upstream	-4631
24	21 NA	LBD21. 31R 6817567	6820006 +	upstream	-3314
26	23 NA	LBD21. 31R 6997442	6999188 -	upstream	-3418
19	16 NA	LBD21. 31R 7140938	7145141 +	downstrea	4378
17	14 NA	LBD21. 31R 7717689	7724144 -	upstream	-3100

17	15 NA	LBD21. 31R	7816383	7817179 +	downstrea	6246
19	16 NA	LBD21. 31R	7829783	7831956 +	downstrea	9181
21	18 NA	LBD21. 31R	7974226	7975413 +	downstrea	1218
26	23 NA	LBD21. 31R	8024624	8029932 +	inside	246
16	14 NA	LBD21. 31R	8206493	8211920 -	inside	1356
20	18 NA	LBD21. 31R	8322992	8326606 +	upstream	-733
16	14 NA	LBD21. 31R	9176812	9180006 +	inside	181
17	14 NA	LBD21. 31R	9529410	9530809 -	upstream	-1737
17	14 NA	LBD21. 31R	9969304	9970138 +	upstream	-1287
19	18 NA	LBD21. 31R	10233594	10242380 +	inside	4327
16	14 NA	LBD21. 31R	10423223	10424588 -	upstream	-1019
19	16 NA	LBD21. 31R	10483728	10484993 +	downstrea	1321
22	18 NA	LBD21. 31R	10814710	10817717 -	downstrea	4535
18	15 NA	LBD21. 31R	11637073	11641558 +	upstream	-4609
17	14 NA	LBD21. 31R	11792508	11794803 +	upstream	-3116
18	15 NA	LBD21. 31R	11909479	11910298 -	downstrea	1228
16	14 NA	LBD21. 31R	11995106	11996200 +	upstream	-339
22	20 NA	LBD21. 31R	12456399	12457606 +	downstrea	1909
17	15 NA	LBD21. 31R	12532928	12540289 +	inside	667
18	15 NA	LBD21. 31R	12796502	12798356 -	inside	1418
18	15 NA	LBD21. 31R	13296225	13298788 +	downstrea	6469
21	18 NA	LBD21. 31R	13618757	13622764 +	inside	3594
26	22 NA	LBD21. 31R	14004276	14007348 +	upstream	-1025
46	44 NA	LBD21. 31R	14263537	14263850 +	inside	31
72	70 NA	LBD21. 31R	15622905	15627562 +	upstream	-4371
17	14 NA	LBD21. 31R	15738767	15739814 -	inside	761
31	27 NA	LBD21. 31R	15787688	15793426 +	upstream	-1389
19	17 NA	LBD21. 31R	16766346	16767636 -	overlapEn	1395
22	19 NA	LBD21. 31R	16834480	16838766 +	inside	2357
27	25 NA	LBD21. 31R	17124896	17127337 +	inside	651
19	15 NA	LBD21. 31R	17346654	17350721 -	upstream	-1671
73	71 NA	LBD21. 31R	17656193	17656629 +	upstream	-3287
32	30 NA	LBD21. 31R	17802211	17802676 +	downstrea	11558
17	15 NA	LBD21. 31R	17887532	17887840 +	downstrea	936
23	20 NA	LBD21. 31R	18233624	18234448 +	upstream	-24460
30	28 NA	LBD21. 31R	18302824	18303082 +	inside	11
26	25 NA	LBD21. 31R	18358100	18358803 -	downstrea	1998
22	21 NA	LBD21. 31R	18361982	18362639 +	downstrea	1372
26	25 NA	LBD21. 31R	18367804	18368815 +	inside	641
25	24 NA	LBD21. 31R	18377658	18379352 -	overlapSt	1146
20	19 NA	LBD21. 31R	18385207	18385666 +	overlapEn	82
27	26 NA	LBD21. 31R	18387444	18388134 +	includeFe	-788
18	17 NA	LBD21. 31R	18388647	18390665 +	inside	66
29	25 NA	LBD21. 31R	19445909	19454497 -	downstrea	12091
17	14 NA	LBD21. 31R	19561742	19564303 +	upstream	-11201
18	15 NA	LBD21. 31R	19748763	19749182 -	upstream	-10687
18	16 NA	LBD21. 31R	20471383	20474810 +	upstream	-505
32	29 NA	LBD21. 31R	20561725	20563528 +	downstrea	7530
18	15 NA	LBD21. 31R	20795929	20805938 -	inside	5929
19	16 NA	LBD21. 31R	20918210	20919809 -	upstream	-118
30	26 NA	LBD21. 31R	21167013	21172583 -	inside	567
18	16 NA	LBD21. 31R	21519892	21525001 +	inside	2173
18	14 NA	LBD21. 31R	21548048	21548636 -	downstrea	2280
17	14 NA	LBD21. 31R	21819526	21822784 -	overlapEn	3259

27	23 NA	LBD21. 31R 21932768	21941584 +	upstream	-7070
21	19 NA	LBD21. 31R 22409931	22418405 +	inside	4150
24	21 NA	LBD21. 31R 22420262	22425160 +	inside	2378
17	14 NA	LBD21. 31R 22594429	22597522 +	inside	568
16	14 NA	LBD21. 31R 22717022	22719775 -	inside	1676
25	23 NA	LBD21. 31R 22760610	22768273 -	overlapSt	207
19	15 NA	LBD21. 31R 22868559	22868732 -	upstream	-6011
16	12 NA	LBD21. 31R 23765393	23767140 +	upstream	-858
27	24 NA	LBD21. 31R 23903060	23906186 -	overlapSt	59
53	51 NA	LBD21. 31R 24058841	24059155 +	inside	27
19	16 NA	LBD21. 31R 24328370	24330177 -	upstream	-9747
28	25 NA	LBD21. 31R 24736998	24739216 -	overlapEn	2319
19	17 NA	LBD21. 31R 24750711	24753375 +	inside	1085
24	20 NA	LBD21. 31R 24958678	24959361 +	upstream	-699
20	18 NA	LBD21. 31R 25091698	25095512 +	upstream	-950
18	15 NA	LBD21. 31R 25138768	25142143 +	upstream	-300
26	21 NA	LBD21. 31R 69145	71538 +	upstream	-7174
17	14 NA	LBD21. 31R 142308	149307 +	upstream	-12652
23	21 NA	LBD21. 31R 655424	657531 +	inside	690
19	18 NA	LBD21. 31R 1494392	1496547 +	inside	1602
17	15 NA	LBD21. 31R 1504041	1509723 -	upstream	-4120
21	19 NA	LBD21. 31R 2550013	2551810 -	upstream	-42
26	23 NA	LBD21. 31R 2707918	2709233 -	upstream	-3600
42	40 NA	LBD21. 31R 2889061	2891328 -	upstream	-12525
22	21 NA	LBD21. 31R 3020018	3020430 +	upstream	-1963
20	18 NA	LBD21. 31R 3022134	3022642 -	inside	396
26	23 NA	LBD21. 31R 3374216	3375340 +	downstrea	2483
33	31 NA	LBD21. 31R 3485423	3486054 +	downstrea	6330
21	19 NA	LBD21. 31R 3501583	3509760 +	inside	4959
17	14 NA	LBD21. 31R 3652099	3652896 +	upstream	-1964
60	58 NA	LBD21. 31R 3826628	3826894 +	inside	16
16	12 NA	LBD21. 31R 4436631	4441053 +	downstrea	8150
24	20 NA	LBD21. 31R 4463882	4469795 +	upstream	-2232
24	21 NA	LBD21. 31R 4749885	4750656 -	upstream	-5016
17	15 NA	LBD21. 31R 6152297	6153934 +	downstrea	9698
23	19 NA	LBD21. 31R 6271853	6272056 +	upstream	-4075
19	16 NA	LBD21. 31R 6415789	6419435 +	downstrea	7249
20	17 NA	LBD21. 31R 6779986	6784041 -	downstrea	17922
18	16 NA	LBD21. 31R 7197769	7198429 +	upstream	-1329
19	16 NA	LBD21. 31R 8387010	8387117 +	upstream	-6008
84	82 NA	LBD21. 31R 9386830	9388800 +	upstream	-788
41	40 NA	LBD21. 31R 9389396	9390123 +	overlapSt	-227
25	23 NA	LBD21. 31R 9566251	9567033 +	overlapEn	436
55	53 NA	LBD21. 31R 9567815	9569026 -	upstream	-188
51	49 NA	LBD21. 31R 10183128	10183823 -	downstrea	1744
17	15 NA	LBD21. 31R 10357263	10363169 +	inside	1795
16	14 NA	LBD21. 31R 10534366	10538515 +	inside	723
21	19 NA	LBD21. 31R 10604134	10617528 -	inside	1762
19	16 NA	LBD21. 31R 11128461	11131462 +	upstream	-2027
19	17 NA	LBD21. 31R 11573150	11583281 +	inside	382
21	19 NA	LBD21. 31R 11614280	11621015 +	inside	4750
16	14 NA	LBD21. 31R 12027557	12029242 -	inside	1573
18	15 NA	LBD21. 31R 12305986	12311549 +	upstream	-2467
19	16 NA	LBD21. 31R 12432595	12437661 +	upstream	-4919

21	19 NA	LBD21. 31R 12729229	12730819 +	downstrea	6437
19	17 NA	LBD21. 31R 12753349	12755327 -	downstrea	12743
17	15 NA	LBD21. 31R 13040521	13046522 -	inside	2590
23	20 NA	LBD21. 31R 13049039	13055620 -	inside	504
18	16 NA	LBD21. 31R 13105319	13107221 +	upstream	-1197
17	15 NA	LBD21. 31R 13156727	13175786 +	inside	1597
18	16 NA	LBD21. 31R 13183164	13184572 +	inside	367
23	21 NA	LBD21. 31R 13699658	13700594 +	upstream	-2174
21	17 NA	LBD21. 31R 14047746	14056301 -	upstream	-4134
20	18 NA	LBD21. 31R 14189779	14191428 -	inside	1371
24	21 NA	LBD21. 31R 14265134	14269761 -	inside	1945
19	16 NA	LBD21. 31R 15103453	15104818 -	upstream	-728
17	15 NA	LBD21. 31R 15324744	15330797 -	upstream	-3067
22	20 NA	LBD21. 31R 15379900	15381837 -	inside	1340
20	16 NA	LBD21. 31R 15551696	15552231 +	downstrea	2095
22	18 NA	LBD21. 31R 15709563	15713084 +	downstrea	5827
31	30 NA	LBD21. 31R 15835933	15838778 +	inside	1790
17	14 NA	LBD21. 31R 16372582	16375217 -	upstream	-7653
16	14 NA	LBD21. 31R 16625709	16626938 -	inside	1223
38	36 NA	LBD21. 31R 16701064	16705723 +	upstream	-1292
19	16 NA	LBD21. 31R 17002532	17008723 +	downstrea	12664
18	16 NA	LBD21. 31R 17270911	17274746 +	inside	696
19	15 NA	LBD21. 31R 17596241	17597637 +	upstream	-1237
17	14 NA	LBD21. 31R 17766081	17766461 +	upstream	-5679
24	21 NA	LBD21. 31R 17950578	17950986 +	downstrea	6130
19	15 NA	LBD21. 31R 18368222	18372666 +	upstream	-5098
25	22 NA	LBD21. 31R 18395232	18397016 +	overlapEn	1720
18	14 NA	LBD21. 31R 18479899	18482747 +	upstream	-3128
29	25 NA	LBD21. 31R 18770564	18771906 -	upstream	-550
18	16 NA	LBD21. 31R 18815797	18817888 +	inside	1055
22	19 NA	LBD21. 31R 19294354	19294875 +	downstrea	892
24	21 NA	LBD21. 31R 19297875	19299786 +	upstream	-1092
21	20 NA	LBD21. 31R 19531740	19535025 -	inside	1054
24	22 NA	LBD21. 31R 19567602	19575186 +	inside	971
17	16 NA	LBD21. 31R 19598729	19599608 -	overlapEn	1028
17	15 NA	LBD21. 31R 19927435	19928668 -	inside	945
17	14 NA	LBD21. 31R 20145496	20149321 -	inside	2718
26	24 NA	LBD21. 31R 20173864	20180085 -	inside	809
22	20 NA	LBD21. 31R 20186834	20195032 +	inside	7583
53	50 NA	LBD21. 31R 20294523	20302361 -	inside	4825
21	18 NA	LBD21. 31R 20353339	20357188 +	upstream	-3136
22	20 NA	LBD21. 31R 20398547	20400664 +	inside	778
28	26 NA	LBD21. 31R 20447558	20452100 +	inside	138
22	19 NA	LBD21. 31R 20542729	20543495 +	overlapSt	-48
17	14 NA	LBD21. 31R 20603112	20606057 +	upstream	-7472
16	13 NA	LBD21. 31R 20665302	20666936 +	upstream	-7935
17	15 NA	LBD21. 31R 20740174	20744146 -	downstrea	5916
21	18 NA	LBD21. 31R 20790141	20795989 +	upstream	-6455
20	18 NA	LBD21. 31R 20931566	20932094 -	overlapEn	684
20	18 NA	LBD21. 31R 21312279	21313030 -	inside	642
16	14 NA	LBD21. 31R 21381434	21382712 -	upstream	-458
20	17 NA	LBD21. 31R 21409350	21414541 +	upstream	-2333
21	18 NA	LBD21. 31R 21514119	21516242 -	downstrea	3910
17	15 NA	LBD21. 31R 21526754	21527456 +	inside	352

19	17 NA	LBD21. 31R	21532013	21534183	-	overlapEn	2186
23	19 NA	LBD21. 31R	140890	145444	+	inside	1296
19	16 NA	LBD21. 31R	525880	527127	+	downstrea	3425
22	19 NA	LBD21. 31R	808810	809677	+	downstrea	2421
21	20 NA	LBD21. 31R	1296320	1297652	+	inside	870
23	20 NA	LBD21. 31R	2269548	2272045	-	inside	1698
19	15 NA	LBD21. 31R	2470639	2475043	+	inside	3902
16	14 NA	LBD21. 31R	2570949	2589685	-	upstream	-122
18	16 NA	LBD21. 31R	2774597	2781846	-	inside	2961
17	14 NA	LBD21. 31R	2795406	2799775	-	upstream	-3301
17	15 NA	LBD21. 31R	2817856	2822411	-	inside	2639
17	15 NA	LBD21. 31R	2912268	2913050	-	overlapEn	1006
22	18 NA	LBD21. 31R	3417387	3417957	-	upstream	-2830
18	15 NA	LBD21. 31R	3793576	3794363	-	upstream	-7592
18	16 NA	LBD21. 31R	3857938	3859961	-	upstream	-1485
27	25 NA	LBD21. 31R	3868748	3870670	-	inside	1254
21	19 NA	LBD21. 31R	3875028	3876013	+	inside	21
24	21 NA	LBD21. 31R	4187175	4187502	+	downstrea	2836
26	23 NA	LBD21. 31R	4243164	4247903	+	inside	851
19	15 NA	LBD21. 31R	4325805	4327812	+	downstrea	3000
19	15 NA	LBD21. 31R	4424932	4425619	-	downstrea	7219
32	28 NA	LBD21. 31R	4541867	4544012	+	upstream	-4152
21	18 NA	LBD21. 31R	4532918	4551085	-	upstream	-1893
18	16 NA	LBD21. 31R	4751992	4757233	+	upstream	-1700
17	15 NA	LBD21. 31R	5085603	5092563	+	inside	2922
18	14 NA	LBD21. 31R	5191587	5192571	-	overlapSt	191
18	14 NA	LBD21. 31R	5238500	5250295	+	upstream	-4403
19	16 NA	LBD21. 31R	6105301	6106633	-	inside	450
28	24 NA	LBD21. 31R	6269473	6273663	+	inside	277
17	15 NA	LBD21. 31R	6276672	6280347	+	inside	221
22	20 NA	LBD21. 31R	6300120	6308679	-	upstream	-3040
18	16 NA	LBD21. 31R	6778244	6781216	+	inside	147
19	16 NA	LBD21. 31R	6958715	6961637	+	upstream	-3588
16	12 NA	LBD21. 31R	7568848	7572266	+	upstream	-10559
20	18 NA	LBD21. 31R	7803371	7805739	-	downstrea	2816
18	16 NA	LBD21. 31R	8206433	8208989	+	overlapEn	2328
18	15 NA	LBD21. 31R	8367867	8368944	+	downstrea	1276
18	15 NA	LBD21. 31R	8421268	8421646	+	downstrea	6005
18	16 NA	LBD21. 31R	8809185	8846693	-	inside	15894
30	29 NA	LBD21. 31R	8905575	8908083	+	inside	964
16	12 NA	LBD21. 31R	9285507	9287297	-	upstream	-5176
17	15 NA	LBD21. 31R	9308585	9323572	-	inside	848
33	32 NA	LBD21. 31R	9511345	9512253	+	upstream	-7587
18	15 NA	LBD21. 31R	10281961	10287827	-	upstream	-136
37	35 NA	LBD21. 31R	10314112	10321954	+	inside	1140
23	20 NA	LBD21. 31R	10365239	10365973	+	downstrea	10255
23	21 NA	LBD21. 31R	10376122	10386705	-	upstream	-6028
35	30 NA	LBD21. 31R	10454286	10454717	+	upstream	-6363
17	14 NA	LBD21. 31R	11929544	11932387	-	upstream	-2539
20	18 NA	LBD21. 31R	12145001	12147276	+	inside	295
20	17 NA	LBD21. 31R	12337842	12338677	-	downstrea	5136
36	35 NA	LBD21. 31R	12466740	12468284	-	upstream	-4135
20	17 NA	LBD21. 31R	12590162	12594879	+	downstrea	25790
39	37 NA	LBD21. 31R	12652576	12652938	-	upstream	-28496

65	63 NA	LBD21. 31R 13124991	13125335 -	upstream	-75367
18	15 NA	LBD21. 31R 14319039	14325165 +	upstream	-9181
37	36 NA	LBD21. 31R 14349106	14352191 +	downstrea	9917
40	38 NA	LBD21. 31R 14414010	14416706 +	downstrea	44084
30	26 NA	LBD21. 31R 14903140	14906264 +	upstream	-3608
30	25 NA	LBD21. 31R 15275096	15286884 +	upstream	-7382
34	32 NA	LBD21. 31R 16134853	16136863 +	downstrea	3906
17	15 NA	LBD21. 31R 16448141	16449147 -	downstrea	1555
24	21 NA	LBD21. 31R 16762048	16763104 -	overlapEn	1222
18	15 NA	LBD21. 31R 16995134	16998705 +	inside	2505
20	17 NA	LBD21. 31R 17205151	17208026 +	inside	1298
22	18 NA	LBD21. 31R 17748145	17751189 +	inside	2644
21	18 NA	LBD21. 31R 18111861	18112040 +	downstrea	2674
18	15 NA	LBD21. 31R 18167700	18173549 +	upstream	-8785
19	16 NA	LBD21. 31R 18519395	18520295 +	upstream	-3096
22	20 NA	LBD21. 31R 18538349	18538577 -	upstream	-478
28	26 NA	LBD21. 31R 18672434	18673602 -	upstream	-4152
19	17 NA	LBD21. 31R 18790261	18793854 +	inside	593
26	24 NA	LBD21. 31R 19044352	19047726 +	inside	2308
18	16 NA	LBD21. 31R 19238092	19239534 +	inside	35
26	24 NA	LBD21. 31R 19645993	19651241 -	inside	818
19	16 NA	LBD21. 31R 19911899	19912768 +	upstream	-1338
30	28 NA	LBD21. 31R 20203128	20207004 -	inside	489
28	24 NA	LBD21. 31R 20353847	20355967 +	downstrea	2643
19	17 NA	LBD21. 31R 20855645	20857045 +	downstrea	1916
57	55 NA	LBD21. 31R 20885873	20888083 +	inside	1855
20	17 NA	LBD21. 31R 21024480	21031297 -	inside	416
20	18 NA	LBD21. 31R 21396958	21401302 +	inside	2362
34	32 NA	LBD21. 31R 21546474	21548258 +	downstrea	4858
24	22 NA	LBD21. 31R 21612481	21617888 +	inside	3061
20	18 NA	LBD21. 31R 22413113	22414246 -	upstream	-6456
26	23 NA	LBD21. 31R 22822148	22822804 +	overlapEn	509
35	32 NA	LBD21. 31R 22881087	22884413 -	inside	840
17	15 NA	LBD21. 31R 23312853	23320060 +	inside	2018
17	15 NA	LBD21. 31R 23554290	23559921 -	inside	2537
22	19 NA	LBD21. 31R 24096936	24103665 +	inside	2064
18	14 NA	LBD21. 31R 24104206	24106928 -	upstream	-16208
44	42 NA	LBD21. 31R 24164253	24172484 -	inside	1764
20	17 NA	LBD21. 31R 2351	8719 -	inside	5676
17	14 NA	LBD21. 31R 347790	350058 +	downstrea	2572
18	15 NA	LBD21. 31R 759189	767490 +	inside	306
27	24 NA	LBD21. 31R 833012	833816 +	downstrea	2666
20	18 NA	LBD21. 31R 1477025	1486732 +	upstream	-3303
31	29 NA	LBD21. 31R 1854298	1856108 -	overlapSt	322
36	34 NA	LBD21. 31R 1876628	1880313 -	inside	911
24	21 NA	LBD21. 31R 2226212	2233881 -	inside	3924
20	18 NA	LBD21. 31R 3149146	3149364 -	upstream	-221
18	15 NA	LBD21. 31R 3189385	3195663 -	inside	2631
17	15 NA	LBD21. 31R 3289322	3291712 -	inside	450
17	14 NA	LBD21. 31R 4017952	4018194 -	upstream	-1728
21	20 NA	LBD21. 31R 4181343	4182149 +	downstrea	2640
29	27 NA	LBD21. 31R 4182330	4187153 -	inside	1828
19	16 NA	LBD21. 31R 4366161	4366712 -	downstrea	5473
17	14 NA	LBD21. 31R 4534405	4536336 +	inside	977

18	15 NA	LBD21. 31R	4547068	4549123 +	upstream	-4828
17	15 NA	LBD21. 31R	4712291	4712926 +	overlapEn	313
16	13 NA	LBD21. 31R	5279980	5285296 +	upstream	-1068
18	16 NA	LBD21. 31R	5408603	5417613 +	inside	5291
26	23 NA	LBD21. 31R	5591213	5595844 -	upstream	-2841
18	15 NA	LBD21. 31R	5704544	5706720 -	downstrea	18001
22	18 NA	LBD21. 31R	5847667	5849956 +	upstream	-3545
18	16 NA	LBD21. 31R	5988631	5989114 -	upstream	-3773
17	15 NA	LBD21. 31R	6087657	6088835 +	upstream	-3479
17	14 NA	LBD21. 31R	6187569	6188933 +	upstream	-1543
22	19 NA	LBD21. 31R	6349752	6352599 +	inside	2340
25	22 NA	LBD21. 31R	6474126	6478918 -	inside	2028
64	62 NA	LBD21. 31R	6898522	6901736 +	inside	1629
18	16 NA	LBD21. 31R	7170333	7173494 +	upstream	-4730
26	22 NA	LBD21. 31R	7383725	7385275 +	upstream	-5212
18	15 NA	LBD21. 31R	7437254	7439962 +	upstream	-1065
23	19 NA	LBD21. 31R	7693630	7694226 -	downstrea	1160
24	20 NA	LBD21. 31R	7891300	7891560 +	upstream	-906
17	15 NA	LBD21. 31R	8358719	8365054 -	inside	1987
21	19 NA	LBD21. 31R	8401879	8410117 +	inside	3019
19	16 NA	LBD21. 31R	8431668	8432811 +	upstream	-3926
20	18 NA	LBD21. 31R	8842332	8846582 +	inside	3283
16	13 NA	LBD21. 31R	8914536	8917823 +	overlapSt	-158
18	16 NA	LBD21. 31R	10887568	10887879 +	downstrea	7599
18	15 NA	LBD21. 31R	11231800	11232786 -	overlapSt	206
18	14 NA	LBD21. 31R	11265842	11266159 -	upstream	-827
17	15 NA	LBD21. 31R	11531670	11534520 -	inside	933
22	19 NA	LBD21. 31R	11613891	11617243 +	upstream	-6636
42	39 NA	LBD21. 31R	11705721	11709426 -	inside	353
19	16 NA	LBD21. 31R	11805773	11809765 +	downstrea	4704
24	20 NA	LBD21. 31R	11988603	11991909 -	upstream	-8579
20	16 NA	LBD21. 31R	12269399	12271223 +	downstrea	10202
30	27 NA	LBD21. 31R	12331860	12348948 +	inside	12762
39	37 NA	LBD21. 31R	12725031	12730565 +	downstrea	18901
16	13 NA	LBD21. 31R	12770351	12773239 +	upstream	-18306
21	18 NA	LBD21. 31R	13235178	13241581 -	inside	1659
23	20 NA	LBD21. 31R	13425154	13425571 +	includeFe	-24
58	56 NA	LBD21. 31R	13493293	13493694 +	inside	118
30	28 NA	LBD21. 31R	13495859	13496047 -	upstream	-8663
20	17 NA	LBD21. 31R	13548653	13549048 +	upstream	-1283
30	28 NA	LBD21. 31R	14532529	14533505 +	upstream	-7990
93	90 NA	LBD21. 31R	14813787	14814410 -	overlapSt	135
40	38 NA	LBD21. 31R	14824857	14826149 -	inside	224
18	15 NA	LBD21. 31R	16044822	16048596 +	upstream	-6359
17	15 NA	LBD21. 31R	16083491	16087691 -	inside	1677
17	15 NA	LBD21. 31R	16241470	16242775 -	upstream	-20632
43	42 NA	LBD21. 31R	16507797	16510707 +	upstream	-9427
18	15 NA	LBD21. 31R	16990684	16994688 -	upstream	-13678
36	34 NA	LBD21. 31R	17714154	17715725 -	upstream	-2480
16	12 NA	LBD21. 31R	17892563	17899118 -	inside	1802
17	15 NA	LBD21. 31R	18573573	18578651 -	inside	954
20	16 NA	LBD21. 31R	18627145	18627938 +	upstream	-16405
16	12 NA	LBD21. 31R	18668951	18671728 +	upstream	-4157
20	17 NA	LBD21. 31R	18958391	18961149 +	upstream	-1851

40	36 NA	LBD21. 31R 19147416	19150201 +	upstream	-305
21	18 NA	LBD21. 31R 19181611	19182726 -	upstream	-1532
18	16 NA	LBD21. 31R 19297174	19301357 +	downstrea	4198
19	17 NA	LBD21. 31R 19329500	19334579 +	inside	2411
32	31 NA	LBD21. 31R 19611383	19622976 -	upstream	-3399
41	40 NA	LBD21. 31R 20549534	20550472 -	downstrea	5580
22	19 NA	LBD21. 31R 20600549	20603875 -	upstream	-6145
24	21 NA	LBD21. 31R 20755700	20756738 +	overlapSt	-53
18	16 NA	LBD21. 31R 20981407	20986758 +	inside	3605
23	21 NA	LBD21. 31R 21352942	21358912 -	inside	821
17	15 NA	LBD21. 31R 21433863	21438717 -	inside	1408
17	15 NA	LBD21. 31R 21461159	21463172 +	inside	1302
22	20 NA	LBD21. 31R 21480538	21486638 -	inside	1363
28	27 NA	LBD21. 31R 21881226	21882935 +	downstrea	2536
22	18 NA	LBD21. 31R 21946606	21947143 +	downstrea	2538
24	22 NA	LBD21. 31R 21981629	21983177 -	inside	547
17	15 NA	LBD21. 31R 22183203	22186356 -	upstream	-5490
68	64 NA	LBD21. 31R 22394468	22396557 -	inside	1774
16	14 NA	LBD21. 31R 22534222	22534428 +	overlapEn	158
22	20 NA	LBD21. 31R 22582369	22583519 +	upstream	-1514
16	12 NA	LBD21. 31R 22760031	22764264 -	upstream	-3733
36	34 NA	LBD21. 31R 22985956	22986419 -	overlapSt	425
19	17 NA	LBD21. 31R 23030899	23036682 +	inside	506
25	21 NA	LBD21. 31R 23570628	23572383 +	downstrea	5395
17	14 NA	LBD21. 31R 23600307	23604582 -	inside	2658
22	20 NA	LBD21. 31R 23664913	23671039 +	overlapSt	-51
19	16 NA	LBD21. 31R 24079656	24082417 -	upstream	-1272
18	15 NA	LBD21. 31R 24202969	24205332 -	upstream	-655
17	15 NA	LBD21. 31R 24283167	24285817 -	inside	589
22	19 NA	LBD21. 31R 24438183	24444834 +	upstream	-8604
18	14 NA	LBD21. 31R 24789162	24790870 +	upstream	-4062
19	16 NA	LBD21. 31R 24880386	24881758 -	downstrea	4474
18	15 NA	LBD21. 31R 24983374	24984664 -	inside	790
22	20 NA	LBD21. 31R 25225915	25231843 -	inside	1020
18	15 NA	LBD21. 31R 25755665	25758828 +	downstrea	4253
17	15 NA	LBD21. 31R 27537	30044 -	downstrea	10498
16	12 NA	LBD21. 31R 62848	66691 -	upstream	-6810
20	18 NA	LBD21. 31R 587389	588339 +	upstream	-3122
21	18 NA	LBD21. 31R 675517	676354 -	downstrea	1524
17	14 NA	LBD21. 31R 703686	703967 +	downstrea	2664
17	14 NA	LBD21. 31R 998795	999130 -	inside	221
20	17 NA	LBD21. 31R 1211435	1212355 -	overlapEn	1173
17	15 NA	LBD21. 31R 1463229	1468233 +	inside	836
31	27 NA	LBD21. 31R 1626750	1628824 -	inside	241
23	20 NA	LBD21. 31R 1731653	1736841 +	inside	434
33	31 NA	LBD21. 31R 2689811	2705764 -	inside	1078
17	15 NA	LBD21. 31R 3652919	3653326 -	downstrea	726
17	16 NA	LBD21. 31R 3655493	3666168 +	inside	663
17	15 NA	LBD21. 31R 3671522	3674425 -	overlapSt	265
21	18 NA	LBD21. 31R 3854946	3858521 +	inside	3268
17	15 NA	LBD21. 31R 4148448	4152549 -	inside	2991
25	23 NA	LBD21. 31R 4499695	4504592 +	upstream	-3686
18	16 NA	LBD21. 31R 4523335	4532993 -	inside	2398
18	17 NA	LBD21. 31R 4611204	4615026 -	inside	3395

23	19 NA	LBD21. 31R	4908071	4915141	-	inside	2390
16	13 NA	LBD21. 31R	4996504	5006232	+	upstream	-3122
19	16 NA	LBD21. 31R	5396646	5401181	-	upstream	-1849
23	20 NA	LBD21. 31R	5451266	5458349	+	inside	4815
26	24 NA	LBD21. 31R	5854711	5855455	+	inside	409
17	15 NA	LBD21. 31R	6095567	6107810	+	inside	1564
21	18 NA	LBD21. 31R	6260384	6264486	+	upstream	-251
17	13 NA	LBD21. 31R	6510362	6512593	+	upstream	-599
25	22 NA	LBD21. 31R	6517063	6518158	-	upstream	-4611
23	20 NA	LBD21. 31R	6538210	6541462	-	inside	3147
16	14 NA	LBD21. 31R	6736902	6738013	-	downstrea	2951
20	17 NA	LBD21. 31R	7188529	7192013	+	inside	686
18	16 NA	LBD21. 31R	7600982	7602379	+	inside	1076
16	12 NA	LBD21. 31R	7746324	7748908	-	upstream	-5079
17	15 NA	LBD21. 31R	8154913	8157233	-	inside	812
25	21 NA	LBD21. 31R	8219970	8223230	+	upstream	-1561
19	17 NA	LBD21. 31R	8524655	8535097	-	inside	5444
24	21 NA	LBD21. 31R	8701663	8703532	-	upstream	-2274
19	17 NA	LBD21. 31R	9336398	9340989	-	inside	1859
16	12 NA	LBD21. 31R	9445700	9447868	+	upstream	-2668
18	15 NA	LBD21. 31R	9461415	9496093	+	upstream	-3875
30	26 NA	LBD21. 31R	10438380	10439692	-	upstream	-1033
20	18 NA	LBD21. 31R	10470188	10470993	+	overlapEn	483
39	37 NA	LBD21. 31R	11151518	11151907	+	upstream	-9337
18	16 NA	LBD21. 31R	11178169	11178641	+	downstrea	3011
22	18 NA	LBD21. 31R	11370750	11373810	-	upstream	-9223
17	13 NA	LBD21. 31R	11502823	11503288	+	overlapEn	412
24	21 NA	LBD21. 31R	11739873	11742124	-	downstrea	2629
28	23 NA	LBD21. 31R	12135840	12136248	+	downstrea	4673
16	12 NA	LBD21. 31R	12776413	12780760	+	upstream	-3466
17	14 NA	LBD21. 31R	12897437	12901197	-	inside	3425
30	28 NA	LBD21. 31R	12953016	12957023	-	upstream	-825
20	16 NA	LBD21. 31R	13610915	13615203	-	upstream	-5420
28	25 NA	LBD21. 31R	14061665	14068002	+	upstream	-4554
19	15 NA	LBD21. 31R	15108747	15111743	-	upstream	-4107
21	19 NA	LBD21. 31R	15215286	15217572	-	downstrea	3302
51	47 NA	LBD21. 31R	15248067	15250270	-	upstream	-28172
69	67 NA	LBD21. 31R	16002086	16002300	+	upstream	-13189
22	21 NA	LBD21. 31R	16330173	16330536	+	downstrea	8297
17	14 NA	LBD21. 31R	16554131	16565217	+	inside	5671
23	19 NA	LBD21. 31R	16923804	16931618	+	upstream	-6583
29	25 NA	LBD21. 31R	17173988	17174164	+	upstream	-3794
26	24 NA	LBD21. 31R	17626093	17627487	+	downstrea	23779
25	21 NA	LBD21. 31R	17846159	17847605	+	upstream	-2623
20	17 NA	LBD21. 31R	18378703	18385024	-	overlapSt	37
21	17 NA	LBD21. 31R	18427409	18428888	-	upstream	-2671
40	38 NA	LBD21. 31R	18633690	18636357	-	downstrea	3598
27	25 NA	LBD21. 31R	18911364	18919423	-	inside	5193
39	33 NA	LBD21. 31R	19005679	19006954	-	upstream	-13183
23	19 NA	LBD21. 31R	19392135	19393336	-	inside	515
23	21 NA	LBD21. 31R	19616220	19621043	-	upstream	-3789
21	18 NA	LBD21. 31R	20063876	20065794	+	upstream	-21809
21	18 NA	LBD21. 31R	20100118	20103675	-	upstream	-483
19	16 NA	LBD21. 31R	20907598	20912145	-	upstream	-5392

16	12 NA	LBD21. 31R 21034572	21035402 -	upstream	-19062
53	51 NA	LBD21. 31R 21209507	21209889 +	overlapEn	78
17	15 NA	LBD21. 31R 21506066	21506903 +	inside	405
35	34 NA	LBD21. 31R 21744980	21746664 -	downstrea	5796
25	22 NA	LBD21. 31R 22064648	22069887 +	upstream	-12260
18	15 NA	LBD21. 31R 22262176	22265633 -	upstream	-7487
30	28 NA	LBD21. 31R 22659114	22660766 +	inside	440
19	16 NA	LBD21. 31R 23472013	23475138 +	upstream	-3427
27	24 NA	LBD21. 31R 23751412	23754666 +	upstream	-12484
18	15 NA	LBD21. 31R 23959220	23963225 -	downstrea	5411
18	14 NA	LBD21. 31R 24412663	24417659 +	upstream	-3785
19	16 NA	LBD21. 31R 24635800	24636399 +	downstrea	4428
18	14 NA	LBD21. 31R 24667224	24674234 -	upstream	-4224
17	15 NA	LBD21. 31R 24983306	24984851 -	downstrea	2866
20	18 NA	LBD21. 31R 24989619	24992901 -	upstream	-2310
19	16 NA	LBD21. 31R 25124468	25127705 +	inside	32
17	14 NA	LBD21. 31R 25774745	25775792 +	downstrea	2531
28	24 NA	LBD21. 31R 25930994	25935700 -	upstream	-4269
16	12 NA	LBD21. 31R 26231739	26233670 -	downstrea	2220
17	14 NA	LBD21. 31R 26468721	26470660 +	downstrea	4842
20	18 NA	LBD21. 31R 26632445	26633154 +	downstrea	3200
19	16 NA	LBD21. 31R 26745119	26745769 -	downstrea	3566
16	14 NA	LBD21. 31R 26748955	26753066 +	inside	862
18	15 NA	LBD21. 31R 27444313	27447739 -	inside	1362
21	19 NA	LBD21. 31R 27621859	27629894 -	inside	4094
24	21 NA	LBD21. 31R 27736852	27737235 -	upstream	-2029
18	15 NA	LBD21. 31R 212807	213915 -	upstream	-1087
17	14 NA	LBD21. 31R 1002705	1005406 -	upstream	-2142
21	17 NA	LBD21. 31R 1442351	1442648 -	upstream	-3258
19	16 NA	LBD21. 31R 1639493	1640810 -	upstream	-30
21	18 NA	LBD21. 31R 2415499	2419192 -	inside	1146
19	16 NA	LBD21. 31R 2826103	2828296 -	upstream	-265
54	52 NA	LBD21. 31R 3252284	3254824 -	inside	2489
19	15 NA	LBD21. 31R 3376046	3376747 +	upstream	-5283
16	12 NA	LBD21. 31R 3412336	3412617 -	upstream	-6954
18	15 NA	LBD21. 31R 3566099	3570373 -	upstream	-7985
16	14 NA	LBD21. 31R 3779080	3781182 -	inside	1701
26	25 NA	LBD21. 31R 4759259	4760930 -	upstream	-10203
19	15 NA	LBD21. 31R 5114576	5118175 +	upstream	-11829
19	17 NA	LBD21. 31R 5259789	5263992 -	inside	2560
18	15 NA	LBD21. 31R 5661027	5662744 +	downstrea	14913
24	23 NA	LBD21. 31R 5978584	5981095 +	upstream	-4337
27	26 NA	LBD21. 31R 6534123	6536798 -	upstream	-971
16	15 NA	LBD21. 31R 6538623	6540372 -	inside	1401
23	21 NA	LBD21. 31R 6683311	6684888 -	downstrea	5343
29	27 NA	LBD21. 31R 7250907	7251317 +	upstream	-3483
26	24 NA	LBD21. 31R 7974628	7975279 +	downstrea	4338
17	15 NA	LBD21. 31R 8144143	8149905 +	inside	2927
34	31 NA	LBD21. 31R 8205831	8210012 -	inside	1101
23	20 NA	LBD21. 31R 8223603	8230240 +	inside	3941
29	24 NA	LBD21. 31R 8776939	8780271 +	upstream	-3043
18	16 NA	LBD21. 31R 9400119	9403174 -	downstrea	3837
23	20 NA	LBD21. 31R 9468081	9472152 -	upstream	-4384
61	59 NA	LBD21. 31R 10281245	10311187 +	inside	3955

23	19 NA	LBD21. 31R 10413398	10415268 +	downstrea	2745
21	18 NA	LBD21. 31R 10542508	10549296 -	inside	1376
23	20 NA	LBD21. 31R 11109651	11113754 +	inside	2724
20	16 NA	LBD21. 31R 11159989	11167075 +	upstream	-2915
16	14 NA	LBD21. 31R 11193574	11194068 -	inside	470
20	17 NA	LBD21. 31R 11686122	11688658 +	downstrea	4230
29	25 NA	LBD21. 31R 11715514	11715907 -	downstrea	6902
17	14 NA	LBD21. 31R 12138490	12140768 -	downstrea	3293
20	18 NA	LBD21. 31R 12162182	12163625 -	upstream	-876
17	14 NA	LBD21. 31R 12528768	12531281 -	downstrea	2941
17	15 NA	LBD21. 31R 12652323	12671801 -	inside	5520
23	21 NA	LBD21. 31R 12657150	12657681 +	downstrea	7015
17	15 NA	LBD21. 31R 12678172	12681640 -	upstream	-2883
33	29 NA	LBD21. 31R 12704588	12708177 -	inside	2010
24	21 NA	LBD21. 31R 12941962	12944072 +	inside	71
22	19 NA	LBD21. 31R 13002911	13007361 +	upstream	-552
17	15 NA	LBD21. 31R 13277490	13281767 +	inside	1043
25	23 NA	LBD21. 31R 13309004	13313082 -	inside	1916
46	44 NA	LBD21. 31R 13754957	13755313 -	upstream	-3759
30	28 NA	LBD21. 31R 14208454	14211053 -	inside	433
17	14 NA	LBD21. 31R 14911216	14914519 +	inside	74
25	22 NA	LBD21. 31R 15008447	15013847 +	inside	1001
18	17 NA	LBD21. 31R 15160115	15162536 -	inside	941
27	25 NA	LBD21. 31R 15180717	15180979 -	upstream	-2527
27	25 NA	LBD21. 31R 15314118	15322630 +	inside	3964
20	18 NA	LBD21. 31R 15358332	15361898 -	inside	3162
16	12 NA	LBD21. 31R 15582983	15584617 +	upstream	-4416
38	37 NA	LBD21. 31R 379940	380409 +	inside	128
20	16 NA	LBD21. 31R 1518098	1518765 -	downstrea	1711
20	18 NA	LBD21. 31R 1782197	1783753 -	downstrea	5028
17	15 NA	LBD21. 31R 1985358	1989952 +	downstrea	5789
17	14 NA	LBD21. 31R 2002373	2002860 -	upstream	-3813
19	17 NA	LBD21. 31R 2800339	2810370 +	inside	3211
39	37 NA	LBD21. 31R 2811985	2812920 -	upstream	-2098
19	16 NA	LBD21. 31R 3005811	3006909 +	upstream	-392
17	14 NA	LBD21. 31R 3017623	3018405 +	downstrea	3659
17	15 NA	LBD21. 31R 3050530	3056239 -	inside	3978
17	15 NA	LBD21. 31R 3162907	3164822 -	upstream	-2287
17	15 NA	LBD21. 31R 3220515	3223122 -	inside	804
17	15 NA	LBD21. 31R 3227297	3230214 -	upstream	-2423
16	13 NA	LBD21. 31R 3564658	3566968 +	downstrea	2678
23	21 NA	LBD21. 31R 3612661	3614813 -	upstream	-1244
37	35 NA	LBD21. 31R 3695827	3697846 -	downstrea	2264
28	25 NA	LBD21. 31R 3776560	3779286 -	upstream	-2300
19	17 NA	LBD21. 31R 4476846	4478817 +	inside	44
20	17 NA	LBD21. 31R 4513635	4514673 +	downstrea	3026
19	17 NA	LBD21. 31R 4866197	4868458 +	downstrea	2636
19	15 NA	LBD21. 31R 5212150	5216225 -	inside	1750
32	29 NA	LBD21. 31R 5812936	5820235 +	inside	1364
18	15 NA	LBD21. 31R 6064176	6065835 -	upstream	-5017
21	17 NA	LBD21. 31R 6162096	6169028 +	inside	1705
17	14 NA	LBD21. 31R 6626146	6628702 -	overlapEn	2762
17	15 NA	LBD21. 31R 6924757	6925966 +	upstream	-1346
22	20 NA	LBD21. 31R 6926358	6930611 -	upstream	-4143

23	21 NA	LBD21. 31R	7115541	7121312 -	inside	4960
21	18 NA	LBD21. 31R	7175275	7178103 -	upstream	-880
19	17 NA	LBD21. 31R	7530525	7532880 +	upstream	-4181
17	15 NA	LBD21. 31R	7693602	7694606 -	upstream	-359
22	19 NA	LBD21. 31R	7843368	7843839 -	inside	375
20	17 NA	LBD21. 31R	8006243	8008302 +	inside	392
17	14 NA	LBD21. 31R	8011656	8012130 +	downstrea	540
22	19 NA	LBD21. 31R	8017574	8018741 -	upstream	-6176
18	16 NA	LBD21. 31R	8188054	8188848 +	upstream	-779
22	18 NA	LBD21. 31R	8496777	8500194 -	downstrea	7301
23	20 NA	LBD21. 31R	8631059	8632295 -	inside	935
17	14 NA	LBD21. 31R	9124770	9128433 +	inside	3025
17	14 NA	LBD21. 31R	9322167	9329696 +	upstream	-6268
17	15 NA	LBD21. 31R	9461153	9464758 +	inside	2105
20	18 NA	LBD21. 31R	9665648	9666783 +	downstrea	1956
19	16 NA	LBD21. 31R	9860569	9862692 +	downstrea	6560
21	18 NA	LBD21. 31R	10167044	10168070 -	upstream	-864
20	17 NA	LBD21. 31R	10457421	10458550 -	overlapEn	1130
19	16 NA	LBD21. 31R	10513016	10518417 -	upstream	-1473
17	14 NA	LBD21. 31R	10597132	10602609 -	upstream	-1531
18	15 NA	LBD21. 31R	10763527	10763694 +	upstream	-529
26	24 NA	LBD21. 31R	11091933	11092256 +	downstrea	734
17	14 NA	LBD21. 31R	11144480	11144996 +	upstream	-692
20	17 NA	LBD21. 31R	11911824	11930638 +	upstream	-1549
17	15 NA	LBD21. 31R	11997384	12003357 -	inside	3678
33	29 NA	LBD21. 31R	12097990	12102875 +	upstream	-4635
16	14 NA	LBD21. 31R	12241181	12250048 -	upstream	-402
20	18 NA	LBD21. 31R	12401027	12405504 +	inside	84
22	19 NA	LBD21. 31R	12417987	12423037 -	inside	3284
21	18 NA	LBD21. 31R	12941639	12944369 +	downstrea	3269
19	16 NA	LBD21. 31R	13019684	13023254 -	inside	2165
20	17 NA	LBD21. 31R	13897185	13901644 -	upstream	-383
28	25 NA	LBD21. 31R	14031295	14036463 -	upstream	-5790
19	17 NA	LBD21. 31R	14567016	14571279 +	inside	2361
29	26 NA	LBD21. 31R	15126261	15127815 -	inside	332
17	14 NA	LBD21. 31R	15295465	15298041 -	upstream	-36258
17	14 NA	LBD21. 31R	15392707	15395953 +	downstrea	33231
17	15 NA	LBD21. 31R	15742390	15744149 -	downstrea	11713
30	26 NA	LBD21. 31R	17239823	17240740 +	upstream	-960
26	24 NA	LBD21. 31R	17478458	17484271 -	inside	731
22	20 NA	LBD21. 31R	17670728	17686704 -	upstream	-8111
18	15 NA	LBD21. 31R	18385290	18386273 +	upstream	-8543
17	14 NA	LBD21. 31R	18549130	18551151 +	upstream	-1921
46	45 NA	LBD21. 31R	18790426	18792329 +	upstream	-10755
28	26 NA	LBD21. 31R	190781	191530 +	upstream	-2707
44	43 NA	LBD21. 31R	238870	240371 +	downstrea	11972
55	53 NA	LBD21. 31R	428906	430507 -	downstrea	16426
61	59 NA	LBD21. 31R	989221	989641 +	upstream	-1393
39	38 NA	LBD21. 31R	991605	991793 -	overlapEn	609
19	17 NA	LBD21. 31R	1268585	1271680 -	inside	1073
29	27 NA	LBD21. 31R	1392167	1394565 +	upstream	-6758
69	67 NA	LBD21. 31R	2723693	2723921 +	includeFe	-5
67	65 NA	LBD21. 31R	2727840	2728220 +	upstream	-502
52	50 NA	LBD21. 31R	2730090	2730230 -	includeFe	203

17	15 NA	LBD21. 31R	3163709	3164651 -	inside	839
19	15 NA	LBD21. 31R	3308909	3309527 +	downstrea	896
22	18 NA	LBD21. 31R	3959009	3959907 +	upstream	-4014
17	13 NA	LBD21. 31R	3976470	3977823 -	upstream	-6873
25	22 NA	LBD21. 31R	4112696	4116361 -	downstrea	4542
17	14 NA	LBD21. 31R	5382460	5384224 +	downstrea	2210
17	14 NA	LBD21. 31R	5478033	5483711 -	inside	1358
18	15 NA	LBD21. 31R	5502089	5508765 +	upstream	-7611
18	16 NA	LBD21. 31R	5853166	5857730 +	inside	30
18	15 NA	LBD21. 31R	6340254	6342421 -	upstream	-1009
18	16 NA	LBD21. 31R	6590436	6593008 -	inside	1520
24	21 NA	LBD21. 31R	6851601	6861463 -	inside	1344
55	53 NA	LBD21. 31R	7142744	7143769 -	inside	361
17	14 NA	LBD21. 31R	7516983	7520363 -	inside	433
19	16 NA	LBD21. 31R	7583980	7598628 +	inside	1002
33	32 NA	LBD21. 31R	8624944	8627440 -	downstrea	6616
22	19 NA	LBD21. 31R	9085740	9090282 -	upstream	-2608
22	19 NA	LBD21. 31R	9383370	9387266 +	overlapSt	-90
25	23 NA	LBD21. 31R	9495429	9498532 -	inside	1482
22	18 NA	LBD21. 31R	9895387	9896087 +	overlapEn	523
19	16 NA	LBD21. 31R	10203623	10212959 -	upstream	-904
19	17 NA	LBD21. 31R	10238649	10239156 -	upstream	-815
23	19 NA	LBD21. 31R	10435173	10436054 +	overlapEn	737
19	15 NA	LBD21. 31R	10521412	10522134 -	overlapEn	833
26	23 NA	LBD21. 31R	11362951	11367004 -	overlapSt	697
31	28 NA	LBD21. 31R	11407300	11410604 +	upstream	-3915
17	13 NA	LBD21. 31R	11514609	11516543 -	downstrea	3898
18	15 NA	LBD21. 31R	11783112	11788425 -	upstream	-4876
21	19 NA	LBD21. 31R	11981991	11983282 -	upstream	-242
20	18 NA	LBD21. 31R	12025721	12030665 +	inside	1197
17	15 NA	LBD21. 31R	12157574	12165568 -	inside	1076
20	16 NA	LBD21. 31R	12339643	12343776 -	inside	2253
18	16 NA	LBD21. 31R	12943202	12947095 +	downstrea	5078
19	17 NA	LBD21. 31R	493731	500540 -	inside	3175
17	15 NA	LBD21. 31R	678213	681875 -	inside	3321
23	21 NA	LBD21. 31R	721754	722601 -	upstream	-87
27	24 NA	LBD21. 31R	1222633	1223076 -	upstream	-10001
17	15 NA	LBD21. 31R	1813262	1829947 +	inside	10561
20	18 NA	LBD21. 31R	1975048	1979416 -	inside	3496
19	15 NA	LBD21. 31R	2837752	2840631 -	upstream	-9086
18	16 NA	LBD21. 31R	3023337	3034937 -	inside	3052
21	18 NA	LBD21. 31R	3544886	3545254 +	upstream	-406
52	49 NA	LBD21. 31R	3742462	3745247 -	downstrea	13401
20	18 NA	LBD21. 31R	3988172	3994613 -	inside	261
21	18 NA	LBD21. 31R	4089829	4097781 +	inside	5188
72	68 NA	LBD21. 31R	4155808	4161440 +	downstrea	57392
23	19 NA	LBD21. 31R	4421608	4427087 -	inside	2223
37	35 NA	LBD21. 31R	4663851	4675020 -	upstream	-77240
31	29 NA	LBD21. 31R	4853220	4858707 +	upstream	-83177
103	101 NA	LBD21. 31R	5229730	5230211 +	inside	47
37	33 NA	LBD21. 31R	5669271	5671886 +	upstream	-53243
22	21 NA	LBD21. 31R	5747967	5748499 +	inside	32
18	16 NA	LBD21. 31R	7324413	7331352 +	inside	821
22	19 NA	LBD21. 31R	7610574	7611740 +	upstream	-4281

50	49 NA	LBD21. 31R	8333019	8333763	+	inside	58
28	26 NA	LBD21. 31R	8336268	8341257	+	upstream	-1585
18	17 NA	LBD21. 31R	8926521	8936988	-	inside	2677
17	14 NA	LBD21. 31R	9479907	9485010	-	inside	405
19	17 NA	LBD21. 31R	10001785	10016269	+	inside	783
19	16 NA	LBD21. 31R	10020206	10023357	+	upstream	-287
22	20 NA	LBD21. 31R	10139477	10143131	-	inside	2688
17	15 NA	LBD21. 31R	10749173	10752701	-	inside	861
20	19 NA	LBD21. 31R	11303792	11304397	-	downstrea	2445
17	15 NA	LBD21. 31R	11669215	11675372	-	inside	2698
17	14 NA	LBD21. 31R	11747167	11755290	+	downstrea	11356
20	17 NA	LBD21. 31R	11844016	11848320	-	upstream	-793
20	18 NA	LBD21. 31R	11913219	11920057	-	upstream	-1651
20	18 NA	LBD21. 31R	12304493	12311027	+	inside	704
29	26 NA	LBD21. 31R	12503051	12507304	+	inside	3676
19	16 NA	LBD21. 31R	12522077	12523362	+	downstrea	1802
17	13 NA	LBD21. 31R	12829827	12830114	-	upstream	-3166
18	16 NA	LBD21. 31R	13050510	13064296	-	inside	4615
17	14 NA	LBD21. 31R	13116732	13120397	+	upstream	-7180
19	17 NA	LBD21. 31R	13132830	13137057	+	inside	1433
21	17 NA	LBD21. 31R	13194526	13197475	+	upstream	-1604
17	14 NA	LBD21. 31R	13640755	13644147	-	upstream	-4695
20	16 NA	LBD21. 31R	13733411	13735324	+	downstrea	3023
24	20 NA	LBD21. 31R	14103926	14105188	+	downstrea	1300
19	16 NA	LBD21. 31R	14675579	14679750	+	upstream	-8593
18	15 NA	LBD21. 31R	14802073	14803969	-	downstrea	3192
25	22 NA	LBD21. 31R	14857783	14859253	-	inside	565
17	14 NA	LBD21. 31R	15256503	15257054	+	upstream	-1089
23	21 NA	LBD21. 31R	15395629	15411849	-	inside	10637
21	17 NA	LBD21. 31R	15938397	15939837	+	inside	906
16	13 NA	LBD21. 31R	15941658	15942607	+	inside	477
22	19 NA	LBD21. 31R	16019876	16024647	-	upstream	-161
30	27 NA	LBD21. 31R	16319676	16321044	-	upstream	-241
21	18 NA	LBD21. 31R	16512800	16517009	+	overlapSt	-173
25	22 NA	LBD21. 31R	17009869	17012319	+	upstream	-1521
17	15 NA	LBD21. 31R	17098655	17100780	-	inside	479
20	17 NA	LBD21. 31R	17849922	17850905	-	downstrea	3262
26	23 NA	LBD21. 31R	18057386	18062543	-	inside	1105
33	29 NA	LBD21. 31R	18066606	18069486	+	downstrea	3209
16	14 NA	LBD21. 31R	18454527	18457379	+	upstream	-3869
21	18 NA	LBD21. 31R	18925431	18927898	-	upstream	-6897
31	29 NA	LBD21. 31R	19155230	19162196	+	inside	495
22	19 NA	LBD21. 31R	19350296	19350531	+	upstream	-623
26	23 NA	LBD21. 31R	19400650	19406402	-	upstream	-4938
39	33 NA	LBD21. 31R	19602693	19603725	+	overlapEn	593
41	39 NA	LBD21. 31R	19761629	19769106	+	inside	3697
17	14 NA	LBD21. 31R	19860664	19863362	+	inside	2284
16	14 NA	LBD21. 31R	19928701	19931559	+	inside	1940
18	16 NA	LBD21. 31R	19944162	19945552	-	inside	710
18	15 NA	LBD21. 31R	20362434	20365631	+	upstream	-1442
17	14 NA	LBD21. 31R	20659826	20659990	+	upstream	-3422
23	20 NA	LBD21. 31R	20704365	20710341	-	inside	4795
20	17 NA	LBD21. 31R	20747463	20750870	-	downstrea	4662
17	15 NA	LBD21. 31R	20849855	20856785	+	overlapSt	-146

20	17 NA	LBD21. 31R 20955472	20956297 +	overlapSt	-228
17	15 NA	LBD21. 31R 21023027	21037872 -	inside	11808
18	15 NA	LBD21. 31R 21453186	21453542 -	downstrea	601
25	23 NA	LBD21. 31R 22185751	22186563 +	upstream	-4699
16	14 NA	LBD21. 31R 22405504	22410495 -	inside	2584
21	19 NA	LBD21. 31R 22492584	22495837 +	inside	531
18	14 NA	LBD21. 31R 278846	281529 -	inside	1145
48	46 NA	LBD21. 31R 1000639	1001969 +	downstrea	8726
29	27 NA	LBD21. 31R 1018697	1020664 +	upstream	-1317
20	17 NA	LBD21. 31R 1288198	1294255 -	inside	330
16	12 NA	LBD21. 31R 1774559	1774945 +	downstrea	3684
19	17 NA	LBD21. 31R 3254482	3259695 -	upstream	-4514
21	17 NA	LBD21. 31R 4061272	4063211 -	upstream	-2051
19	17 NA	LBD21. 31R 4071035	4077856 -	upstream	-2319
21	17 NA	LBD21. 31R 4095391	4097498 +	downstrea	2915
17	15 NA	LBD21. 31R 4183188	4183487 -	downstrea	3968
18	16 NA	LBD21. 31R 4755285	4758524 +	upstream	-1482
69	67 NA	LBD21. 31R 5660885	5661364 -	upstream	-14027
19	17 NA	LBD21. 31R 5810438	5811395 +	inside	183
22	20 NA	LBD21. 31R 6674943	6675394 +	downstrea	961
72	70 NA	LBD21. 31R 7193480	7194553 -	inside	666
50	48 NA	LBD21. 31R 7196318	7196635 +	upstream	-569
48	47 NA	LBD21. 31R 7197641	7197790 -	downstrea	692
27	26 NA	LBD21. 31R 7199187	7199534 -	includeFe	453
38	35 NA	LBD21. 31R 7203770	7204270 -	upstream	-315
50	47 NA	LBD21. 31R 7206842	7207063 -	overlapEn	336
48	46 NA	LBD21. 31R 7215822	7217613 +	inside	1162
21	19 NA	LBD21. 31R 7230312	7232353 -	inside	245
18	17 NA	LBD21. 31R 7730518	7742170 +	inside	69
22	18 NA	LBD21. 31R 8006037	8008475 -	downstrea	4059
42	40 NA	LBD21. 31R 8288217	8297303 +	upstream	-6736
20	16 NA	LBD21. 31R 8738465	8749355 -	upstream	-855
17	13 NA	LBD21. 31R 8848739	8849445 -	upstream	-45340
17	15 NA	LBD21. 31R 9995156	9995703 +	upstream	-26732
18	14 NA	LBD21. 31R 10754371	10769666 -	inside	695
18	17 NA	LBD21. 31R 11049147	11049290 +	upstream	-7910
29	26 NA	LBD21. 31R 11085280	11087535 -	inside	2224
20	18 NA	LBD21. 31R 11644313	11656304 -	inside	9707
30	28 NA	LBD21. 31R 12063003	12064255 +	inside	1032
17	14 NA	LBD21. 31R 12867984	12868432 -	inside	264
18	15 NA	LBD21. 31R 13357083	13360227 -	upstream	-264
22	18 NA	LBD21. 31R 13371139	13377581 +	overlapSt	-229
22	20 NA	LBD21. 31R 13386596	13391770 -	inside	2578
38	36 NA	LBD21. 31R 13861100	13861201 -	upstream	-82
18	16 NA	LBD21. 31R 14618174	14623032 +	inside	1569
25	23 NA	LBD21. 31R 14658904	14666479 -	inside	2506
17	15 NA	LBD21. 31R 15556550	15561394 -	inside	2084
18	16 NA	LBD21. 31R 15676763	15682883 -	inside	964
27	23 NA	LBD21. 31R 15719348	15719855 +	overlapEn	86
25	22 NA	LBD21. 31R 15777117	15777623 +	overlapSt	-419
41	39 NA	LBD21. 31R 16057023	16060615 +	upstream	-1141
17	15 NA	LBD21. 31R 16094007	16094405 -	upstream	-1894
19	17 NA	LBD21. 31R 16137597	16137953 -	upstream	-1217
22	19 NA	LBD21. 31R 16378944	16380645 -	downstrea	3874

16	14 NA	LBD21. 31R	16536279	16541055 +	inside	800
19	15 NA	LBD21. 31R	16785690	16786493 +	downstrea	1861
17	14 NA	LBD21. 31R	16858895	16861452 +	inside	862
27	23 NA	LBD21. 31R	16933171	16936868 -	upstream	-4696
17	13 NA	LBD21. 31R	17258225	17264952 +	upstream	-9657
17	15 NA	LBD21. 31R	17974662	17976325 +	downstrea	1702
27	25 NA	LBD21. 31R	18049998	18051851 +	inside	18
18	16 NA	LBD21. 31R	274497	275360 +	downstrea	4848
22	19 NA	LBD21. 31R	428272	430274 +	inside	1461
19	17 NA	LBD21. 31R	773291	773710 +	downstrea	986
23	21 NA	LBD21. 31R	878985	880332 +	upstream	-541
24	21 NA	LBD21. 31R	1659514	1661849 -	upstream	-1090
21	19 NA	LBD21. 31R	1698979	1701858 -	inside	1018
20	17 NA	LBD21. 31R	1772665	1773882 +	upstream	-2448
16	14 NA	LBD21. 31R	1790897	1791558 -	downstrea	4059
19	17 NA	LBD21. 31R	1875251	1878254 -	inside	2527
19	17 NA	LBD21. 31R	2051060	2056456 +	inside	85
18	16 NA	LBD21. 31R	2140833	2141899 +	downstrea	1175
20	17 NA	LBD21. 31R	3342885	3345628 +	downstrea	3566
17	13 NA	LBD21. 31R	3629109	3634234 +	inside	4183
17	14 NA	LBD21. 31R	3680805	3681724 +	upstream	-1385
19	15 NA	LBD21. 31R	3756392	3763955 -	upstream	-4000
28	25 NA	LBD21. 31R	3780252	3780497 -	upstream	-4907
29	24 NA	LBD21. 31R	3851240	3851963 +	upstream	-4256
25	22 NA	LBD21. 31R	3881692	3889376 -	upstream	-1868
18	15 NA	LBD21. 31R	4986633	4992453 -	inside	3218
17	14 NA	LBD21. 31R	5408743	5411011 +	upstream	-3498
18	16 NA	LBD21. 31R	5435316	5440099 +	inside	4275
18	17 NA	LBD21. 31R	5531491	5533297 -	inside	401
24	20 NA	LBD21. 31R	6257592	6258115 -	upstream	-7383
18	16 NA	LBD21. 31R	6940150	6960376 +	upstream	-48492
17	15 NA	LBD21. 31R	7039338	7039887 +	upstream	-1269
71	69 NA	LBD21. 31R	7087527	7087980 +	inside	34
23	20 NA	LBD21. 31R	7540873	7541856 -	downstrea	54181
34	31 NA	LBD21. 31R	8364171	8366711 +	downstrea	2833
25	22 NA	LBD21. 31R	8466107	8472367 +	downstrea	15430
24	21 NA	LBD21. 31R	8499578	8501428 +	downstrea	3326
23	20 NA	LBD21. 31R	8820074	8821825 -	upstream	-23377
19	17 NA	LBD21. 31R	9075043	9077053 -	downstrea	3735
17	15 NA	LBD21. 31R	9214832	9218388 -	inside	2414
17	15 NA	LBD21. 31R	9823081	9826808 +	inside	2660
19	16 NA	LBD21. 31R	9826733	9830338 -	upstream	-1987
20	16 NA	LBD21. 31R	9855190	9858922 +	upstream	-4546
19	17 NA	LBD21. 31R	9900642	9903747 +	inside	1168
20	16 NA	LBD21. 31R	9970242	9972070 +	upstream	-2782
18	16 NA	LBD21. 31R	10012685	10014370 +	inside	1107
17	13 NA	LBD21. 31R	10145596	10145850 +	upstream	-5174
26	22 NA	LBD21. 31R	10411438	10416356 -	upstream	-4768
21	19 NA	LBD21. 31R	10488772	10492999 -	inside	2671
29	25 NA	LBD21. 31R	10523812	10526089 +	downstrea	8181
33	31 NA	LBD21. 31R	10796766	10799160 +	upstream	-19183
17	15 NA	LBD21. 31R	10954107	10959386 +	inside	2112
26	23 NA	LBD21. 31R	11050489	11051138 -	downstrea	4688
35	30 NA	LBD21. 31R	11137722	11139660 +	downstrea	6643

17	15 NA	LBD21. 31R 11244930	11247010 -	inside	1983
23	20 NA	LBD21. 31R 11356226	11359696 +	upstream	-7049
20	17 NA	LBD21. 31R 11448703	11461097 +	inside	4908
28	26 NA	LBD21. 31R 11588198	11599425 -	inside	10368
19	17 NA	LBD21. 31R 11682812	11684817 +	downstrea	2046
18	16 NA	LBD21. 31R 12015845	12017020 +	upstream	-884
33	31 NA	LBD21. 31R 12311205	12313557 -	inside	769
18	15 NA	LBD21. 31R 12355907	12357365 -	upstream	-2591
20	18 NA	LBD21. 31R 12371433	12376015 -	inside	1298
19	17 NA	LBD21. 31R 12421577	12421883 +	inside	33
20	18 NA	LBD21. 31R 12553770	12557943 +	inside	1777
18	14 NA	LBD21. 31R 12766213	12768115 -	upstream	-4637
30	28 NA	LBD21. 31R 12868554	12869907 -	upstream	-2764
20	18 NA	LBD21. 31R 12894761	12896793 -	upstream	-675
24	21 NA	LBD21. 31R 13018998	13019841 +	upstream	-3542
17	16 NA	LBD21. 31R 13055362	13057881 -	inside	2038
18	14 NA	LBD21. 31R 13079329	13079566 +	overlapEn	33
18	16 NA	LBD21. 31R 13223079	13224502 +	inside	1018
17	14 NA	LBD21. 31R 13277604	13278577 +	downstrea	2894
24	21 NA	LBD21. 31R 13703467	13712962 -	inside	5066
19	15 NA	LBD21. 31R 13722549	13738643 -	upstream	-22890
19	17 NA	LBD21. 31R 13976282	13979025 +	inside	1571
16	12 NA	LBD21. 31R 14099535	14100465 -	upstream	-2854
22	20 NA	LBD21. 31R 14117032	14119973 +	downstrea	3114
16	14 NA	LBD21. 31R 14196754	14206880 +	inside	2080
19	16 NA	LBD21. 31R 14244690	14245079 -	overlapSt	62
21	19 NA	LBD21. 31R 14281387	14285743 +	upstream	-1623
18	16 NA	LBD21. 31R 14354997	14358305 -	inside	2139
16	12 NA	LBD21. 31R 14376964	14378396 +	upstream	-488
19	17 NA	LBD21. 31R 14456179	14460666 +	inside	614
17	15 NA	LBD21. 31R 14735670	14736753 +	downstrea	1182
19	16 NA	LBD21. 31R 14777432	14782106 -	inside	1724
16	14 NA	LBD21. 31R 14961839	14964665 +	downstrea	2936
19	17 NA	LBD21. 31R 14970440	14975257 -	inside	2188
17	14 NA	LBD21. 31R 15036990	15038916 -	downstrea	5113
20	18 NA	LBD21. 31R 15087035	15089363 -	inside	2174
19	17 NA	LBD21. 31R 15115381	15115863 +	downstrea	881
24	22 NA	LBD21. 31R 15120813	15124437 -	inside	665
34	32 NA	LBD21. 31R 15170317	15170755 +	upstream	-1737
19	16 NA	LBD21. 31R 15237741	15239875 -	overlapSt	175
23	19 NA	LBD21. 31R 15373698	15379797 -	upstream	-578
22	19 NA	LBD21. 31R 15463453	15464495 -	overlapEn	1044
17	15 NA	LBD21. 31R 15582384	15584094 -	inside	1541
18	16 NA	LBD21. 31R 15615822	15627778 -	inside	3696
18	16 NA	LBD21. 31R 15704881	15708099 -	inside	1943
17	14 NA	LBD21. 31R 592545	595758 +	upstream	-5622
21	19 NA	LBD21. 31R 634239	637149 +	inside	1142
19	17 NA	LBD21. 31R 642518	646495 -	inside	1011
18	15 NA	LBD21. 31R 773339	783010 -	upstream	-9698
27	23 NA	LBD21. 31R 1135684	1136628 -	upstream	-2572
18	16 NA	LBD21. 31R 1436400	1439816 +	inside	1142
36	35 NA	LBD21. 31R 1673482	1677412 +	inside	2817
20	17 NA	LBD21. 31R 1714158	1716041 +	upstream	-13893
20	18 NA	LBD21. 31R 1741029	1744938 +	upstream	-2567

21	18 NA	LBD21. 31R	2467474	2472895 -	inside	2881
23	21 NA	LBD21. 31R	2505101	2506028 +	upstream	-4114
17	14 NA	LBD21. 31R	2902894	2903814 +	downstrea	1699
21	19 NA	LBD21. 31R	3353107	3353361 +	downstrea	7361
27	24 NA	LBD21. 31R	3621041	3622906 -	inside	1506
21	18 NA	LBD21. 31R	3628925	3631600 -	upstream	-1323
18	16 NA	LBD21. 31R	3771491	3782070 +	inside	8240
28	25 NA	LBD21. 31R	3991611	3996963 +	inside	763
18	16 NA	LBD21. 31R	4274467	4280930 +	inside	2671
18	16 NA	LBD21. 31R	4567214	4567826 +	overlapEn	364
64	62 NA	LBD21. 31R	5311388	5311926 -	downstrea	14972
20	17 NA	LBD21. 31R	5600652	5612865 -	inside	6889
20	17 NA	LBD21. 31R	5970580	5972265 +	upstream	-2958
21	19 NA	LBD21. 31R	5972786	5973658 +	downstrea	1087
40	39 NA	LBD21. 31R	6402922	6404074 +	upstream	-641
67	65 NA	LBD21. 31R	6404076	6408104 +	overlapSt	-158
30	29 NA	LBD21. 31R	6408512	6409298 +	includeFe	-75
30	29 NA	LBD21. 31R	6410411	6410767 +	overlapSt	-362
43	42 NA	LBD21. 31R	6413755	6414887 +	inside	517
18	16 NA	LBD21. 31R	6539055	6540229 -	inside	877
22	20 NA	LBD21. 31R	8382096	8385123 -	upstream	-11984
17	14 NA	LBD21. 31R	8531878	8557929 -	inside	4079
18	16 NA	LBD21. 31R	8652583	8677213 +	inside	24049
33	32 NA	LBD21. 31R	9585458	9591300 -	upstream	-701
43	42 NA	LBD21. 31R	9857154	9857592 -	inside	426
20	17 NA	LBD21. 31R	10263286	10266497 -	inside	2809
22	19 NA	LBD21. 31R	10293910	10304554 -	upstream	-3713
25	21 NA	LBD21. 31R	10313887	10314624 +	downstrea	7642
48	45 NA	LBD21. 31R	10736488	10737257 -	downstrea	1091
18	15 NA	LBD21. 31R	10870739	10874037 -	inside	2353
18	14 NA	LBD21. 31R	11147296	11150772 +	overlapEn	3268
19	15 NA	LBD21. 31R	11160987	11170428 -	upstream	-19841
19	17 NA	LBD21. 31R	11656284	11659564 +	inside	409
16	14 NA	LBD21. 31R	11676610	11677298 +	overlapEn	562
17	14 NA	LBD21. 31R	12162080	12164957 -	inside	1295
20	18 NA	LBD21. 31R	12365534	12368041 +	inside	506
19	17 NA	LBD21. 31R	12673696	12675672 -	upstream	-587
17	15 NA	LBD21. 31R	12941227	12944199 +	inside	823
20	18 NA	LBD21. 31R	13248572	13251015 +	downstrea	5226
24	22 NA	LBD21. 31R	13611002	13611721 -	upstream	-2503
19	17 NA	LBD21. 31R	13698237	13702803 +	inside	802
51	49 NA	LBD21. 31R	13971000	13976252 +	upstream	-3376
23	20 NA	LBD21. 31R	14038902	14040718 -	upstream	-950
17	14 NA	LBD21. 31R	14100565	14110153 -	inside	3352
38	36 NA	LBD21. 31R	14518609	14522174 -	upstream	-693
54	53 NA	LBD21. 31R	14660556	14660867 +	includeFe	-4
25	24 NA	LBD21. 31R	14661052	14661624 +	downstrea	932
81	79 NA	LBD21. 31R	14663541	14663858 +	upstream	-639
34	33 NA	LBD21. 31R	14665244	14665681 +	overlapEn	20
27	26 NA	LBD21. 31R	14666884	14667419 -	overlapEn	1027
21	19 NA	LBD21. 31R	14683663	14685457 -	inside	855
61	59 NA	LBD21. 31R	14752339	14752989 -	overlapSt	478
74	72 NA	LBD21. 31R	14753634	14754182 -	inside	343
43	42 NA	LBD21. 31R	14754882	14755349 -	includeFe	500

36	35 NA	LBD21. 31R 14755958	14756298 -	overlapSt	100
73	71 NA	LBD21. 31R 14757219	14757726 +	downstrea	734
91	89 NA	LBD21. 31R 14765441	14765638 -	upstream	-1888
43	42 NA	LBD21. 31R 14771293	14771695 -	downstrea	1616
50	49 NA	LBD21. 31R 14772455	14773204 +	inside	93
43	42 NA	LBD21. 31R 14775554	14776118 -	inside	561
59	56 NA	LBD21. 31R 14779861	14780816 -	downstrea	1703
122	119 NA	LBD21. 31R 14783992	14784405 -	upstream	-854
27	26 NA	LBD21. 31R 14788312	14789160 +	overlapEn	296
60	58 NA	LBD21. 31R 14790129	14790383 -	upstream	-503
28	27 NA	LBD21. 31R 14791829	14792637 +	inside	267
31	30 NA	LBD21. 31R 14794072	14795129 +	includeFe	-399
45	43 NA	LBD21. 31R 14814563	14814898 +	upstream	-453
92	90 NA	LBD21. 31R 14825811	14825999 +	downstrea	815
68	66 NA	LBD21. 31R 14829782	14829886 -	downstrea	1355
86	84 NA	LBD21. 31R 14830570	14831157 +	downstrea	1363
85	83 NA	LBD21. 31R 14835523	14835765 +	downstrea	526
62	60 NA	LBD21. 31R 14836710	14837115 -	overlapEn	466
61	59 NA	LBD21. 31R 14837889	14838632 +	downstrea	1032
44	43 NA	LBD21. 31R 14844509	14845329 -	downstrea	3076
38	37 NA	LBD21. 31R 14845563	14846078 +	downstrea	1766
30	29 NA	LBD21. 31R 14849394	14849797 +	includeFe	-279
54	52 NA	LBD21. 31R 14851611	14852408 +	inside	346
47	46 NA	LBD21. 31R 14853384	14854012 +	inside	151
35	34 NA	LBD21. 31R 14865069	14866243 +	inside	291
54	52 NA	LBD21. 31R 14867350	14867454 +	upstream	-1020
34	33 NA	LBD21. 31R 14870394	14871677 +	upstream	-919
101	99 NA	LBD21. 31R 14877522	14878292 +	downstrea	1200
45	44 NA	LBD21. 31R 14880122	14880328 -	includeFe	652
101	99 NA	LBD21. 31R 14881679	14881918 +	overlapEn	70
85	82 NA	LBD21. 31R 14882770	14884113 +	inside	325
74	72 NA	LBD21. 31R 14894928	14896038 +	downstrea	1204
39	37 NA	LBD21. 31R 14901898	14907618 +	inside	5457
20	17 NA	LBD21. 31R 14996475	15001272 +	upstream	-8927
19	17 NA	LBD21. 31R 15385225	15389973 +	overlapEn	4419
18	16 NA	LBD21. 31R 15447641	15452128 -	inside	750
18	14 NA	LBD21. 31R 15639115	15641031 -	upstream	-2119
17	14 NA	LBD21. 31R 15656674	15657674 +	downstrea	1239
24	21 NA	LBD21. 31R 15722546	15724488 +	upstream	-4800
37	35 NA	LBD21. 31R 15832819	15835201 +	downstrea	3705
17	15 NA	LBD21. 31R 15901561	15904411 -	inside	1233
18	16 NA	LBD21. 31R 16012591	16020092 -	downstrea	7887
23	20 NA	LBD21. 31R 16066967	16067796 +	downstrea	2843
28	23 NA	LBD21. 31R 16162975	16169041 +	inside	1356
18	15 NA	LBD21. 31R 731206	735001 -	upstream	-917
24	20 NA	LBD21. 31R 1313962	1316043 -	upstream	-4578
35	30 NA	LBD21. 31R 1489482	1493387 -	inside	1236
19	17 NA	LBD21. 31R 1629064	1635605 -	upstream	-1948
18	15 NA	LBD21. 31R 2169470	2171490 +	downstrea	2665
19	16 NA	LBD21. 31R 3318499	3326082 -	upstream	-5328
46	43 NA	LBD21. 31R 3435300	3440047 -	upstream	-1460
18	15 NA	LBD21. 31R 3741950	3742335 +	downstrea	2622
20	18 NA	LBD21. 31R 4119030	4123682 +	inside	1043
26	24 NA	LBD21. 31R 4238803	4238982 +	downstrea	1380

30	27 NA	LBD21. 31R	4245031	4246350 +	downstrea	2596
28	26 NA	LBD21. 31R	4255330	4258195 +	inside	886
24	22 NA	LBD21. 31R	4261057	4261458 +	downstrea	651
17	14 NA	LBD21. 31R	4506551	4508041 -	downstrea	3682
18	15 NA	LBD21. 31R	4648125	4651889 -	upstream	-2513
25	23 NA	LBD21. 31R	4749118	4751720 -	inside	1812
23	19 NA	LBD21. 31R	4770571	4771568 +	downstrea	1397
19	16 NA	LBD21. 31R	5351230	5353789 -	upstream	-3118
18	16 NA	LBD21. 31R	5536840	5541062 +	inside	2720
17	15 NA	LBD21. 31R	6226331	6230401 -	upstream	-1904
28	25 NA	LBD21. 31R	6385919	6393427 +	inside	578
35	33 NA	LBD21. 31R	6429060	6430243 -	upstream	-941
17	15 NA	LBD21. 31R	6547245	6549845 +	inside	1938
18	16 NA	LBD21. 31R	6588710	6598177 -	upstream	-454
37	35 NA	LBD21. 31R	6968454	6973051 -	upstream	-2105
19	16 NA	LBD21. 31R	6980125	6985518 -	inside	2494
31	26 NA	LBD21. 31R	7118925	7121224 +	upstream	-1089
17	14 NA	LBD21. 31R	7287631	7287810 -	upstream	-4075
17	15 NA	LBD21. 31R	7986961	7988446 -	inside	1378
18	16 NA	LBD21. 31R	8140603	8148322 -	inside	1187
20	17 NA	LBD21. 31R	8226544	8228993 -	upstream	-3534
19	16 NA	LBD21. 31R	9199617	9200053 -	upstream	-1041
30	28 NA	LBD21. 31R	9349076	9356575 +	upstream	-3941
20	16 NA	LBD21. 31R	9716465	9717471 -	overlapEn	1095
16	14 NA	LBD21. 31R	10020843	10028307 +	inside	1589
42	38 NA	LBD21. 31R	10403873	10405807 -	upstream	-134
18	15 NA	LBD21. 31R	10416007	10418905 -	inside	298
18	15 NA	LBD21. 31R	10633908	10634354 +	downstrea	1189
19	16 NA	LBD21. 31R	11047549	11051847 +	upstream	-1444
40	38 NA	LBD21. 31R	11073156	11075291 -	upstream	-1908
20	17 NA	LBD21. 31R	11132347	11136217 +	overlapSt	-113
17	15 NA	LBD21. 31R	11498179	11507177 -	inside	3275
16	12 NA	LBD21. 31R	12213368	12214398 +	upstream	-1089
26	22 NA	LBD21. 31R	12397621	12399479 +	upstream	-495
22	19 NA	LBD21. 31R	12601305	12605522 -	inside	4013
16	14 NA	LBD21. 31R	12725170	12731865 +	inside	3032
24	20 NA	LBD21. 31R	12925765	12927225 +	downstrea	20533
18	15 NA	LBD21. 31R	13141970	13145599 -	inside	354
20	18 NA	LBD21. 31R	13562156	13564642 -	inside	1149
48	44 NA	LBD21. 31R	13667462	13667732 +	downstrea	657
18	14 NA	LBD21. 31R	14100657	14103545 +	inside	1239
24	21 NA	LBD21. 31R	14563846	14564802 -	upstream	-1207
25	22 NA	LBD21. 31R	14599471	14600126 +	inside	253
17	14 NA	LBD21. 31R	14743200	14748976 -	upstream	-26870
17	13 NA	LBD21. 31R	14841817	14848896 +	upstream	-4610
19	15 NA	LBD21. 31R	15176521	15179747 -	upstream	-156
56	54 NA	LBD21. 31R	15925039	15932369 -	upstream	-1124
38	37 NA	LBD21. 31R	16505398	16505793 -	upstream	-15231
17	15 NA	LBD21. 31R	16651127	16651783 +	upstream	-1605
17	16 NA	LBD21. 31R	16984035	16984962 -	downstrea	6064
17	16 NA	LBD21. 31R	16984821	16985340 -	upstream	-114
40	38 NA	LBD21. 31R	17226201	17227664 +	upstream	-10804
19	16 NA	LBD21. 31R	17264422	17271626 +	upstream	-3707
18	15 NA	LBD21. 31R	17374404	17374625 -	downstrea	12099

16	12 NA	LBD21. 31R 17503418	17505261 -	downstrea	4270
23	19 NA	LBD21. 31R 17612333	17615512 -	upstream	-4480
20	16 NA	LBD21. 31R 17669483	17675274 +	upstream	-20955
29	25 NA	LBD21. 31R 17831231	17845254 -	downstrea	22471
32	27 NA	LBD21. 31R 17857165	17864759 -	upstream	-14368
18	15 NA	LBD21. 31R 17946056	17948099 +	upstream	-3251
25	23 NA	LBD21. 31R 18139525	18146950 -	downstrea	11254
35	32 NA	LBD21. 31R 18318753	18326192 -	upstream	-6825
17	15 NA	LBD21. 31R 18419460	18428607 +	inside	161
18	15 NA	LBD21. 31R 458876	461241 +	downstrea	2997
17	15 NA	LBD21. 31R 601409	603356 +	inside	652
17	14 NA	LBD21. 31R 948915	952911 +	upstream	-7532
27	24 NA	LBD21. 31R 1858280	1862197 +	upstream	-3716
17	15 NA	LBD21. 31R 1899112	1904272 +	inside	578
18	16 NA	LBD21. 31R 2345768	2353767 +	inside	122
18	15 NA	LBD21. 31R 2637644	2638216 -	downstrea	2676
19	17 NA	LBD21. 31R 2932682	2938680 -	inside	1011
17	15 NA	LBD21. 31R 3344864	3346133 -	overlapEn	1274
17	14 NA	LBD21. 31R 3477396	3481333 +	downstrea	12297
19	16 NA	LBD21. 31R 3510981	3513035 -	downstrea	12287
18	16 NA	LBD21. 31R 3695168	3696939 +	upstream	-1055
17	14 NA	LBD21. 31R 3731254	3732570 +	inside	457
23	20 NA	LBD21. 31R 4011094	4014183 +	upstream	-2068
17	15 NA	LBD21. 31R 4073780	4080814 -	upstream	-6815
22	20 NA	LBD21. 31R 4095980	4102909 +	inside	3001
30	25 NA	LBD21. 31R 4113946	4119988 +	upstream	-4071
18	16 NA	LBD21. 31R 4399157	4405464 +	inside	2832
31	30 NA	LBD21. 31R 4554427	4560533 -	inside	2496
65	60 NA	LBD21. 31R 4970325	4977849 +	upstream	-2435
38	33 NA	LBD21. 31R 5169004	5170626 +	upstream	-7448
22	19 NA	LBD21. 31R 5373276	5381768 -	upstream	-30116
19	15 NA	LBD21. 31R 5603569	5603877 +	upstream	-18586
16	13 NA	LBD21. 31R 5635620	5667458 -	inside	4554
26	24 NA	LBD21. 31R 6288546	6289859 -	inside	230
50	48 NA	LBD21. 31R 6322447	6322818 +	overlapEn	34
62	60 NA	LBD21. 31R 6328465	6329003 +	upstream	-1951
28	26 NA	LBD21. 31R 6406439	6408531 +	downstrea	2762
18	16 NA	LBD21. 31R 6581611	6581823 -	upstream	-6846
26	24 NA	LBD21. 31R 6581703	6587085 +	upstream	-10123
17	15 NA	LBD21. 31R 6631345	6632413 -	upstream	-49765
22	19 NA	LBD21. 31R 6956049	6957260 -	upstream	-12289
16	12 NA	LBD21. 31R 7437985	7438842 -	upstream	-5473
52	50 NA	LBD21. 31R 7977017	7979624 -	inside	1219
23	21 NA	LBD21. 31R 8042378	8044079 +	overlapSt	-399
20	17 NA	LBD21. 31R 8381611	8388412 -	overlapSt	93
19	16 NA	LBD21. 31R 8578922	8580741 +	downstrea	4486
31	28 NA	LBD21. 31R 8886714	8888635 -	inside	1518
20	17 NA	LBD21. 31R 9030920	9032223 +	inside	112
18	15 NA	LBD21. 31R 9283824	9286967 +	downstrea	5317
25	21 NA	LBD21. 31R 9578198	9580711 +	upstream	-3795
50	48 NA	LBD21. 31R 10235060	10235369 +	inside	25
17	14 NA	LBD21. 31R 11320982	11321489 -	inside	358
17	14 NA	LBD21. 31R 11994376	11996292 +	inside	1404
18	15 NA	LBD21. 31R 12012072	12013730 -	upstream	-751

17	16 NA	LBD21. 31R	12108018	12114460	-	inside	4031
21	17 NA	LBD21. 31R	12317986	12322365	+	upstream	-4275
30	25 NA	LBD21. 31R	13067169	13071253	-	inside	2354
18	16 NA	LBD21. 31R	13290801	13293848	-	overlapSt	152
33	29 NA	LBD21. 31R	13310810	13312539	-	downstrea	5168
20	18 NA	LBD21. 31R	13330338	13331562	+	downstrea	1618
21	19 NA	LBD21. 31R	13653206	13657755	+	inside	445
39	35 NA	LBD21. 31R	13712792	13715704	+	upstream	-336
26	23 NA	LBD21. 31R	13741366	13744927	-	overlapEn	3752
25	22 NA	LBD21. 31R	14297144	14299677	+	downstrea	3606
19	17 NA	LBD21. 31R	14911353	14916935	-	upstream	-1294
25	22 NA	LBD21. 31R	14975769	14979847	-	inside	2748
17	15 NA	LBD21. 31R	15243480	15246532	+	upstream	-1961
18	16 NA	LBD21. 31R	528688	532529	+	inside	1377
27	25 NA	LBD21. 31R	553726	558012	-	upstream	-2803
25	21 NA	LBD21. 31R	626427	626889	-	downstrea	1805
24	22 NA	LBD21. 31R	813721	817048	-	upstream	-828
23	21 NA	LBD21. 31R	904073	905624	+	inside	1272
18	16 NA	LBD21. 31R	1443146	1447104	+	inside	615
17	15 NA	LBD21. 31R	1447433	1448510	+	upstream	-1399
22	20 NA	LBD21. 31R	1624024	1628651	-	inside	2164
21	18 NA	LBD21. 31R	1868366	1869367	-	downstrea	1897
18	15 NA	LBD21. 31R	2517734	2518480	-	downstrea	7685
17	15 NA	LBD21. 31R	2884652	2885784	-	upstream	-47
20	16 NA	LBD21. 31R	2901630	2902712	-	upstream	-3415
17	13 NA	LBD21. 31R	3015792	3016055	+	overlapSt	-161
18	16 NA	LBD21. 31R	3196568	3198829	-	upstream	-1951
16	14 NA	LBD21. 31R	3326362	3331791	+	inside	1504
26	22 NA	LBD21. 31R	3412830	3416331	+	upstream	-6752
19	16 NA	LBD21. 31R	3541745	3542526	+	overlapEn	685
27	25 NA	LBD21. 31R	3614176	3617007	+	downstrea	4064
17	15 NA	LBD21. 31R	3795851	3796694	-	inside	685
19	17 NA	LBD21. 31R	3871632	3876702	-	inside	3854
20	17 NA	LBD21. 31R	3938815	3940594	+	upstream	-2197
18	16 NA	LBD21. 31R	4115461	4120192	-	inside	328
24	22 NA	LBD21. 31R	4266555	4267758	-	inside	700
25	23 NA	LBD21. 31R	4310269	4311084	-	upstream	-4501
19	16 NA	LBD21. 31R	4391378	4394340	-	inside	2859
26	22 NA	LBD21. 31R	4953185	4960792	+	upstream	-4960
16	12 NA	LBD21. 31R	5045014	5046327	+	upstream	-4734
19	17 NA	LBD21. 31R	5523869	5527970	-	inside	1114
32	27 NA	LBD21. 31R	5842560	5843301	+	downstrea	994
17	15 NA	LBD21. 31R	6061213	6064507	-	inside	865
39	36 NA	LBD21. 31R	6097845	6099951	+	inside	1046
21	19 NA	LBD21. 31R	6579485	6580823	+	inside	299
17	15 NA	LBD21. 31R	6677891	6681323	+	inside	853
32	30 NA	LBD21. 31R	7275771	7277504	-	inside	1680
20	17 NA	LBD21. 31R	7298514	7298877	+	upstream	-9063
32	30 NA	LBD21. 31R	7710855	7711361	+	upstream	-21034
18	15 NA	LBD21. 31R	7796125	7796896	-	upstream	-8608
24	20 NA	LBD21. 31R	7990864	7998006	-	upstream	-12651
21	19 NA	LBD21. 31R	8101978	8102394	+	downstrea	28707
45	43 NA	LBD21. 31R	8218191	8219153	+	inside	71
25	21 NA	LBD21. 31R	8468303	8471131	+	upstream	-12570

28	23 NA	LBD21. 31R 10360586	10364403 -	upstream	-3823
18	16 NA	LBD21. 31R 10427189	10427585 -	downstrea	2700
32	30 NA	LBD21. 31R 11057082	11057586 +	downstrea	4706
24	22 NA	LBD21. 31R 11100066	11100463 -	downstrea	4944
19	15 NA	LBD21. 31R 11212293	11213501 +	downstrea	2674
20	18 NA	LBD21. 31R 12145528	12148381 +	overlapEn	2639
48	45 NA	LBD21. 31R 12343379	12350042 -	inside	659
21	19 NA	LBD21. 31R 12539743	12543487 +	inside	1275
21	18 NA	LBD21. 31R 12596463	12599352 -	upstream	-2870
19	17 NA	LBD21. 31R 13016462	13017756 +	upstream	-2187
17	13 NA	LBD21. 31R 13271651	13271820 -	downstrea	1434
38	36 NA	LBD21. 31R 13361396	13364190 +	overlapEn	2585
19	17 NA	LBD21. 31R 13760476	13762290 +	downstrea	2625
19	16 NA	LBD21. 31R 13767533	13768493 -	upstream	-2846
20	18 NA	LBD21. 31R 13840606	13844757 +	inside	2179
17	14 NA	LBD21. 31R 13989680	13990909 -	upstream	-1717
16	14 NA	LBD21. 31R 14173867	14177417 +	inside	1313
18	16 NA	LBD21. 31R 14185523	14187522 +	inside	810
22	18 NA	LBD21. 31R 362085	363948 -	inside	633
17	13 NA	LBD21. 31R 476715	481503 +	upstream	-3356
17	14 NA	LBD21. 31R 583179	584266 +	downstrea	4186
21	20 NA	LBD21. 31R 709834	712800 +	upstream	-12233
20	17 NA	LBD21. 31R 804971	809233 +	upstream	-614
17	14 NA	LBD21. 31R 947026	949342 +	inside	233
27	24 NA	LBD21. 31R 1821367	1822834 -	inside	1173
19	17 NA	LBD21. 31R 2038429	2045055 +	inside	950
37	35 NA	LBD21. 31R 2186360	2187873 +	upstream	-20275
18	16 NA	LBD21. 31R 2256891	2262332 +	inside	4703
20	18 NA	LBD21. 31R 2353070	2353586 +	downstrea	2574
18	16 NA	LBD21. 31R 2578793	2582511 +	inside	559
18	16 NA	LBD21. 31R 2668624	2669811 +	upstream	-3575
24	20 NA	LBD21. 31R 3583593	3583901 -	downstrea	1770
17	15 NA	LBD21. 31R 3592006	3593938 +	downstrea	4163
25	21 NA	LBD21. 31R 3699486	3710047 -	inside	3299
19	17 NA	LBD21. 31R 4044469	4048853 -	inside	745
21	19 NA	LBD21. 31R 4589135	4589335 +	downstrea	2580
17	14 NA	LBD21. 31R 5642080	5644665 -	upstream	-9837
22	19 NA	LBD21. 31R 5708953	5710046 +	upstream	-1097
46	44 NA	LBD21. 31R 5860500	5863375 -	upstream	-5250
58	56 NA	LBD21. 31R 5940893	5941428 +	inside	21
20	18 NA	LBD21. 31R 6937683	6944376 +	inside	2148
87	83 NA	LBD21. 31R 7261738	7264096 +	downstrea	38277
54	52 NA	LBD21. 31R 7364780	7365135 -	downstrea	6312
36	33 NA	LBD21. 31R 7467160	7471594 -	upstream	-38714
23	20 NA	LBD21. 31R 8296712	8297045 +	upstream	-3668
34	32 NA	LBD21. 31R 8764503	8766101 -	upstream	-2971
17	15 NA	LBD21. 31R 9599828	9601523 -	downstrea	3732
17	14 NA	LBD21. 31R 9635769	9638227 +	upstream	-1285
22	18 NA	LBD21. 31R 9813697	9813831 +	upstream	-1242
55	53 NA	LBD21. 31R 10065285	10065639 +	upstream	-10217
17	13 NA	LBD21. 31R 10330119	10331759 -	upstream	-3766
17	14 NA	LBD21. 31R 10846200	10853416 +	inside	359
21	18 NA	LBD21. 31R 10947583	10953970 +	upstream	-9806
26	22 NA	LBD21. 31R 11031741	11032041 +	upstream	-627

19	17 NA	LBD21. 31R 11500621	11508966 -	inside	960
23	20 NA	LBD21. 31R 11666996	11671264 +	upstream	-15194
18	15 NA	LBD21. 31R 11725841	11733082 +	upstream	-5416
17	15 NA	LBD21. 31R 11998047	11999028 +	upstream	-2545
21	18 NA	LBD21. 31R 12178033	12179081 +	downstrea	2290
17	14 NA	LBD21. 31R 12570826	12571681 -	overlapSt	153
17	14 NA	LBD21. 31R 12620436	12626207 +	inside	1723
18	14 NA	LBD21. 31R 12855403	12859226 -	inside	2350
20	18 NA	LBD21. 31R 13012869	13015325 +	upstream	-8077
24	21 NA	LBD21. 31R 13150818	13156037 +	upstream	-4687
18	15 NA	LBD21. 31R 13184918	13185627 +	overlapSt	-133
17	15 NA	LBD21. 31R 13334516	13334953 +	overlapSt	-181
30	28 NA	LBD21. 31R 13528321	13532208 -	upstream	-1452
18	15 NA	LBD21. 31R 14201130	14201727 +	inside	169
17	15 NA	LBD21. 31R 14235060	14237031 +	upstream	-3629
17	15 NA	LBD21. 31R 14239005	14241188 +	inside	1925
18	16 NA	LBD21. 31R 14441145	14449013 -	inside	2633
18	14 NA	LBD21. 31R 14667726	14673252 -	upstream	-118
17	14 NA	LBD21. 31R 14723580	14726534 +	inside	416
20	17 NA	LBD21. 31R 14741875	14746528 -	inside	2818
17	15 NA	LBD21. 31R 14748601	14752776 -	upstream	-117
49	47 NA	LBD21. 31R 14835641	14836690 -	upstream	-102
31	29 NA	LBD21. 31R 14838177	14839672 +	upstream	-728
21	20 NA	LBD21. 31R 15112186	15115017 -	downstrea	13530
17	15 NA	LBD21. 31R 15517239	15520067 +	inside	1536
17	14 NA	LBD21. 31R 15808899	15814020 +	inside	545
19	17 NA	LBD21. 31R 15917789	15919258 -	upstream	-1011
17	15 NA	LBD21. 31R 766518	772371 -	overlapSt	13
17	13 NA	LBD21. 31R 836540	842809 -	inside	3335
17	15 NA	LBD21. 31R 1274099	1276741 -	upstream	-2066
19	15 NA	LBD21. 31R 1491298	1492943 -	upstream	-6958
18	15 NA	LBD21. 31R 1743742	1745095 -	upstream	-3484
17	15 NA	LBD21. 31R 2319954	2322915 -	overlapSt	253
20	17 NA	LBD21. 31R 2345287	2346896 -	downstrea	3002
23	20 NA	LBD21. 31R 2355148	2359228 +	inside	326
31	30 NA	LBD21. 31R 2436803	2437920 +	inside	532
18	15 NA	LBD21. 31R 2680940	2682556 -	upstream	-1710
17	14 NA	LBD21. 31R 3014831	3018941 +	upstream	-592
53	51 NA	LBD21. 31R 3119582	3122945 +	upstream	-11915
35	30 NA	LBD21. 31R 3234742	3238131 +	upstream	-4905
92	90 NA	LBD21. 31R 3799400	3799737 +	inside	29
19	15 NA	LBD21. 31R 4017910	4024850 +	upstream	-1785
22	21 NA	LBD21. 31R 4061102	4061935 -	inside	593
22	19 NA	LBD21. 31R 4122359	4129934 +	upstream	-10005
29	26 NA	LBD21. 31R 4159566	4159991 +	downstrea	963
21	18 NA	LBD21. 31R 4416611	4417856 -	upstream	-17446
23	21 NA	LBD21. 31R 4676602	4678662 -	upstream	-12236
34	32 NA	LBD21. 31R 5006621	5007839 -	upstream	-23849
89	86 NA	LBD21. 31R 5252831	5256854 +	upstream	-10454
26	24 NA	LBD21. 31R 5636863	5637371 -	downstrea	803
21	18 NA	LBD21. 31R 5764955	5771073 -	inside	821
18	15 NA	LBD21. 31R 6209246	6209788 -	downstrea	2093
18	15 NA	LBD21. 31R 6288391	6290320 +	inside	1139
17	14 NA	LBD21. 31R 6365527	6368967 -	upstream	-31381

70	65 NA	LBD21. 31R	6532988	6537493 +	downstrea	84851
18	17 NA	LBD21. 31R	7374464	7374985 +	upstream	-18432
18	17 NA	LBD21. 31R	7766617	7770793 +	inside	1558
18	15 NA	LBD21. 31R	8133687	8142269 -	downstrea	11574
36	34 NA	LBD21. 31R	9346400	9346579 +	upstream	-16542
17	15 NA	LBD21. 31R	10090918	10098117 +	inside	139
17	14 NA	LBD21. 31R	10187948	10189829 +	upstream	-29725
19	17 NA	LBD21. 31R	10518552	10522822 -	inside	1362
18	16 NA	LBD21. 31R	10732971	10739712 +	inside	1393
20	18 NA	LBD21. 31R	11165781	11169792 -	inside	558
26	23 NA	LBD21. 31R	11640875	11642874 -	downstrea	2373
57	52 NA	LBD21. 31R	11697912	11699851 -	upstream	-6627
24	21 NA	LBD21. 31R	11813066	11827727 +	upstream	-808
22	19 NA	LBD21. 31R	12568154	12573071 +	upstream	-8804
18	16 NA	LBD21. 31R	12643275	12644045 -	downstrea	1144
22	19 NA	LBD21. 31R	12799233	12802179 -	downstrea	4768
18	14 NA	LBD21. 31R	13029141	13030024 -	upstream	-3665
20	17 NA	LBD21. 31R	13210914	13212861 +	downstrea	4135
18	15 NA	LBD21. 31R	13654861	13655379 +	downstrea	7437
27	25 NA	LBD21. 31R	13775241	13779044 +	inside	2727
19	17 NA	LBD21. 31R	13916467	13916964 +	overlapSt	-385
18	15 NA	LBD21. 31R	15180498	15182662 -	inside	1160
18	14 NA	LBD21. 31R	15515402	15516727 +	downstrea	1953
21	19 NA	LBD21. 31R	15590333	15591232 -	upstream	-321
21	19 NA	LBD21. 31R	15619914	15624708 +	inside	427
19	16 NA	LBD21. 31R	15734482	15740935 -	inside	1590
26	23 NA	LBD21. 31R	15991778	15997918 +	inside	4009
35	31 NA	LBD21. 31R	16893804	16896717 +	upstream	-355
32	28 NA	LBD21. 31R	159827	164910 -	inside	4254
21	19 NA	LBD21. 31R	286427	288019 -	overlapEn	1802
21	18 NA	LBD21. 31R	457316	459522 +	overlapSt	-9
18	15 NA	LBD21. 31R	554428	564520 +	inside	6021
17	14 NA	LBD21. 31R	1380506	1384282 +	inside	288
19	16 NA	LBD21. 31R	1432709	1436609 +	upstream	-826
18	14 NA	LBD21. 31R	1488317	1488949 +	upstream	-737
21	18 NA	LBD21. 31R	1926730	1926981 +	upstream	-386
19	16 NA	LBD21. 31R	1985821	1986374 -	downstrea	1596
26	22 NA	LBD21. 31R	1992431	1994565 -	upstream	-4017
25	23 NA	LBD21. 31R	2145453	2153015 +	upstream	-2205
17	14 NA	LBD21. 31R	2174154	2175874 +	inside	1418
16	14 NA	LBD21. 31R	2309317	2313931 +	inside	1242
27	25 NA	LBD21. 31R	2418959	2419646 +	downstrea	6305
18	16 NA	LBD21. 31R	2701843	2705500 -	inside	640
32	30 NA	LBD21. 31R	2751574	2757351 +	inside	79
22	20 NA	LBD21. 31R	3188159	3189958 +	inside	67
64	61 NA	LBD21. 31R	3192473	3193492 +	inside	434
29	28 NA	LBD21. 31R	3194810	3195886 -	inside	996
92	90 NA	LBD21. 31R	3201672	3202760 -	upstream	-141
62	60 NA	LBD21. 31R	3203146	3203886 -	upstream	-365
21	19 NA	LBD21. 31R	3345964	3349933 +	inside	1938
31	26 NA	LBD21. 31R	3788859	3790666 -	overlapSt	17
21	19 NA	LBD21. 31R	3830946	3835094 +	inside	935
25	22 NA	LBD21. 31R	3877811	3882573 -	downstrea	12386
19	16 NA	LBD21. 31R	4758852	4759878 +	downstrea	6561

40	38 NA	LBD21. 31R	4777056	4777541 -	downstrea	1885
17	15 NA	LBD21. 31R	4982509	4986316 -	inside	1495
17	13 NA	LBD21. 31R	5158751	5159863 -	upstream	-6324
24	21 NA	LBD21. 31R	5185638	5190979 -	inside	5335
28	26 NA	LBD21. 31R	5201109	5202092 -	upstream	-13353
19	17 NA	LBD21. 31R	5244852	5252021 +	inside	3924
80	78 NA	LBD21. 31R	5320857	5321204 +	inside	18
29	28 NA	LBD21. 31R	5539256	5540996 -	upstream	-4997
24	22 NA	LBD21. 31R	5555686	5557863 -	upstream	-1259
40	38 NA	LBD21. 31R	6688729	6691334 -	overlapSt	271
18	16 NA	LBD21. 31R	6936306	6939889 +	upstream	-3144
21	18 NA	LBD21. 31R	6951211	6956430 -	upstream	-3279
18	17 NA	LBD21. 31R	7261226	7263942 +	inside	1511
34	29 NA	LBD21. 31R	7540268	7542125 +	upstream	-4428
29	24 NA	LBD21. 31R	7812605	7813660 -	upstream	-678
78	76 NA	LBD21. 31R	7813770	7816013 -	upstream	-16447
50	48 NA	LBD21. 31R	7839613	7849712 -	downstrea	15219
23	20 NA	LBD21. 31R	9844880	9848021 +	inside	2671
26	24 NA	LBD21. 31R	9943878	9945607 -	downstrea	2549
30	29 NA	LBD21. 31R	9984160	9985937 -	upstream	-783
18	15 NA	LBD21. 31R	10011999	10016353 +	overlapSt	-175
18	16 NA	LBD21. 31R	10243067	10243261 -	downstrea	954
18	14 NA	LBD21. 31R	10490979	10494550 -	upstream	-1862
17	15 NA	LBD21. 31R	10677872	10681793 -	overlapSt	48
17	14 NA	LBD21. 31R	11353130	11356983 -	upstream	-2722
16	12 NA	LBD21. 31R	11770699	11773280 -	inside	1035
28	24 NA	LBD21. 31R	11796617	11800728 -	upstream	-549
18	15 NA	LBD21. 31R	12247192	12249694 -	upstream	-1659
17	15 NA	LBD21. 31R	12258252	12261258 +	inside	2632
27	24 NA	LBD21. 31R	12330740	12331554 -	upstream	-58
21	17 NA	LBD21. 31R	12958757	12961224 +	overlapSt	-203
19	16 NA	LBD21. 31R	13003659	13004931 +	upstream	-1150
30	26 NA	LBD21. 31R	13059593	13062592 +	overlapEn	2957
20	17 NA	LBD21. 31R	13306929	13311828 -	upstream	-4851
19	17 NA	LBD21. 31R	13379458	13381364 -	downstrea	6682
17	15 NA	LBD21. 31R	13564597	13565645 +	downstrea	3065
19	16 NA	LBD21. 31R	13674704	13675219 +	upstream	-642
17	14 NA	LBD21. 31R	14447339	14452432 +	downstrea	6640
25	22 NA	LBD21. 31R	14872134	14872834 -	downstrea	19767
19	16 NA	LBD21. 31R	15185477	15185977 -	upstream	-1646
19	17 NA	LBD21. 31R	15371119	15377454 +	inside	347
22	18 NA	LBD21. 31R	15897931	15898035 +	upstream	-900
25	22 NA	LBD21. 31R	136612	139531 +	downstrea	3951
58	56 NA	LBD21. 31R	193697	197138 -	upstream	-38817
25	22 NA	LBD21. 31R	499261	503175 +	downstrea	29949
77	75 NA	LBD21. 31R	336917	337153 +	downstrea	2978
44	42 NA	LBD21. 31R	435395	436960 -	upstream	-194
31	30 NA	LBD21. 31R	438693	439050 +	overlapEn	186
33	31 NA	LBD21. 31R	703587	709004 +	upstream	-6419
27	26 NA	LBD21. 31R	746690	748017 -	downstrea	1767
27	25 NA	LBD21. 31R	100631	101775 +	inside	541
19	17 NA	LBD21. 31R	121252	122017 +	upstream	-927
23	20 NA	LBD21. 31R	373902	378083 -	upstream	-3682
22	20 NA	LBD21. 31R	386255	388907 -	upstream	-7539

17	14 NA	LBD21. 31R	533760	552442 +	inside	2324
37	35 NA	LBD21. 31R	474713	477251 -	downstrea	10656
39	36 NA	LBD21. 31R	185949	186314 -	upstream	-6499
57	55 NA	LBD21. 31R	230695	231069 -	downstrea	4351
19	16 NA	LBD21. 31R	125722	129365 +	inside	2027
18	14 NA	LBD21. 31R	182526	191285 +	upstream	-8282
21	19 NA	LBD21. 31R	336651	340385 -	upstream	-1218
63	61 NA	LBD21. 31R	375524	382339 +	upstream	-9056
28	25 NA	LBD21. 31R	121540	121881 -	downstrea	24055
16	12 NA	LBD21. 31R	162604	166175 -	downstrea	135850
31	28 NA	LBD21. 31R	286887	287644 -	downstrea	57965
24	20 NA	LBD21. 31R	255064	256341 +	upstream	-3618
38	36 NA	LBD21. 31R	243811	244128 +	downstrea	3251
36	33 NA	LBD21. 31R	261478	261795 +	downstrea	2119
47	45 NA	LBD21. 31R	279248	279568 +	upstream	-7004
31	29 NA	LBD21. 31R	96849	104538 +	downstrea	12432
24	22 NA	LBD21. 31R	150794	155589 -	inside	2059
36	30 NA	LBD21. 31R	89468	89677 +	downstrea	2339
19	16 NA	LBD21. 31R	210714	212429 +	upstream	-18750
40	38 NA	LBD21. 31R	54850	60572 -	downstrea	9191
18	17 NA	LBD21. 31R	165764	167397 +	upstream	-2071
17	13 NA	LBD21. 31R	194889	197500 -	inside	558
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31	28 NA	LBD21. 31R	183283	183870 +	downstrea	4297
17	15 NA	LBD21. 31R	140296	143001 -	downstrea	11549
19	16 NA	LBD21. 31R	199945	205851 +	inside	3257
29	28 NA	LBD21. 31R	64153	65366 +	downstrea	4385
29	27 NA	LBD21. 31R	194973	196597 -	downstrea	13200
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58	56 NA	LBD21. 31R	116723	117018 +	inside	19
21	19 NA	LBD21. 31R	7821	17171 -	inside	5947
46	45 NA	LBD21. 31R	70232	71679 -	inside	303
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22	19 NA	LBD21. 31R	99508	102279 -	inside	1585
44	42 NA	LBD21. 31R	95718	98362 +	inside	548
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17	15 NA	LBD21. 31R	94249	100850 -	inside	3268
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17	14 NA	LBD21. 31R	3275	4020 +	upstream	-1186
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33	32 NA	LBD21. 31R	28859	31174 +	upstream	-5430
75	73 NA	LBD21. 31R	61152	61778 +	inside	26
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21	17 NA	LBD21. 31R	84666	85204 +	overlapEn	366
42	40 NA	LBD21. 31R	8978	13165 +	upstream	-880
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23	19 NA	LBD21. 31R	31887	35361 -	downstrea	4791
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29	25 NA	LBD21. 31R	11414	12885 +	downstrea	1965
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20	17 NA	LBD21. 31R	11500	17366 -	upstream	-1619
20	17 NA	LBD21. 31R	4548	5317 -	downstrea	3639
25	23 NA	LBD21. 31R	327	706 -	upstream	-1286

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