

Table S5A Features of SSR in HZP

ID	SSR nr.	SSR type	SSR	size	start	end	Region	Gene
HZP	1	p1	(A)14	14	361	374	LSC	
HZP	2	p1	(A)10	10	3797	3806	LSC	
HZP	3	p1	(A)10	10	4390	4399	LSC	
HZP	4	p1	(A)11	11	5478	5488	LSC	<i>rps16(intron)</i>
HZP	5	p1	(T)10	10	6919	6928	LSC	
HZP	6	p1	(T)11	11	8751	8761	LSC	
HZP	7	p1	(A)14	14	8894	8907	LSC	<i>psbI</i>
HZP	8	p1	(A)10	10	9415	9424	LSC	
HZP	9	p1	(A)16	16	12542	12557	LSC	
HZP	10	p1	(T)12	12	13919	13930	LSC	
HZP	11	p1	(T)11	11	15051	15061	LSC	
HZP	12	p1	(T)12	12	15450	15461	LSC	
HZP	13	p1	(A)12	12	17270	17281	LSC	<i>rpoC2</i>
HZP	14	p1	(T)11	11	19477	19487	LSC	<i>rpoC2</i>
HZP	15	p1	(T)10	10	27177	27186	LSC	<i>rpoB</i>
HZP	16	p1	(A)15	15	32588	32602	LSC	
HZP	17	p1	(A)10	10	32919	32928	LSC	
HZP	18	p1	(T)12	12	33222	33233	LSC	
HZP	19	p1	(A)13	13	37615	37627	LSC	
HZP	20	p1	(A)11	11	38256	38266	LSC	
HZP	21	p1	(A)13	13	38489	38501	LSC	
HZP	22	p1	(A)12	12	44176	44187	LSC	
HZP	23	p1	(A)12	12	46228	46239	LSC	<i>ycf3(intron)</i>
HZP	24	p1	(A)14	14	46484	46497	LSC	
HZP	25	p1	(A)12	12	49310	49321	LSC	
HZP	26	p1	(T)10	10	52609	52618	LSC	
HZP	27	p1	(T)12	12	53195	53206	LSC	
HZP	28	p1	(T)19	19	53349	53367	LSC	
HZP	29	p1	(T)10	10	56311	56320	LSC	<i>atpB</i>
HZP	30	c	(T)10cagtatatca atttatacctagccta attctttcttttcg(T) 11	61	56697	56757	LSC	
HZP	31	p1	(T)12	12	58960	58971	LSC	
HZP	32	p1	(T)14	14	60739	60752	LSC	
HZP	33	p1	(A)10	10	65286	65295	LSC	
HZP	34	p1	(T)11	11	65424	65434	LSC	
HZP	35	p1	(T)11	11	73269	73279	LSC	<i>clpP(intron)</i>
HZP	36	p1	(T)10	10	80632	80641	LSC	<i>rpoA</i>
HZP	37	p1	(T)10	10	82554	82563	LSC	
HZP	38	p1	(T)15	15	83079	83093	LSC	
HZP	39	p1	(A)16	16	83607	83622	LSC	

HZP	40	p1	(T)12	12	85062	85073	LSC	<i>rpl16(intron)</i>
HZP	41	p1	(T)10	10	105303	105312	IRa	<i>trnI-GAU(intron)</i>
HZP	42	p1	(A)10	10	110361	110370	IRa	
HZP	43	p1	(T)13	13	115387	115399	SSC	
HZP	44	p1	(A)11	11	117200	117210	SSC	<i>ccsA</i>
HZP	45	p1	(T)14	14	121399	121412	SSC	
HZP	46	p1	(T)12	12	127366	127377	SSC	<i>ycf1</i>
HZP	47	p1	(T)12	12	128981	128992	SSC	<i>ycf1</i>
HZP	48	p1	(A)12	12	129285	129296	SSC	<i>ycf1</i>
HZP	49	p1	(A)11	11	129818	129828	SSC	<i>ycf1</i>
HZP	50	p1	(T)17	17	130199	130215	SSC	<i>ycf1</i>
HZP	51	p1	(T)10	10	133277	133286	IRb	
HZP	52	p1	(A)10	10	138335	138344	IRb	<i>trnI-GAU(intron)</i>

Table S5B Features of SSR in XG

ID	SSR nr.	SSR type	SSR	size	start	end	Region	Gene
XG	1	p1	(A)13	13	356	368	LSC	
XG	2	p1	(A)10	10	3791	3800	LSC	
XG	3	p1	(T)10	10	8718	8727	LSC	
XG	4	p1	(A)12	12	8860	8871	LSC	<i>psbI</i>
XG	5	p1	(A)12	12	9385	9396	LSC	
XG	6	p1	(A)11	11	12513	12523	LSC	
XG	7	p1	(T)12	12	13885	13896	LSC	
XG	8	p1	(T)13	13	15017	15029	LSC	
XG	9	p1	(A)11	11	16837	16847	LSC	
XG	10	p1	(T)11	11	19043	19053	LSC	<i>rpoC2</i>
XG	11	p1	(T)10	10	26743	26752	LSC	<i>rpoB</i>
XG	12	p1	(A)14	14	32158	32171	LSC	
XG	13	p1	(A)11	11	32494	32504	LSC	
XG	14	p1	(T)16	16	32798	32813	LSC	
XG	15	p1	(A)14	14	37195	37208	LSC	
XG	16	p1	(A)11	11	37834	37844	LSC	
XG	17	p1	(A)12	12	38067	38078	LSC	
XG	18	p1	(A)10	10	43753	43762	LSC	
XG	19	p1	(A)13	13	45803	45815	LSC	<i>ycf3(intron)</i>
XG	20	p1	(A)10	10	46060	46069	LSC	
XG	21	p1	(A)12	12	48908	48919	LSC	
XG	22	p1	(T)11	11	52212	52222	LSC	
XG	23	p1	(T)13	13	52950	52962	LSC	
XG	24	p1	(T)10	10	55911	55920	LSC	<i>atpB</i>
XG	25	p1	(T)15	15	56346	56360	LSC	
XG	26	p1	(T)13	13	58563	58575	LSC	
XG	27	p1	(T)15	15	60343	60357	LSC	
XG	28	p1	(T)11	11	62717	62727	LSC	

XG	29	p1	(A)10	10	64893	64902	LSC	
XG	30	c	(T)13ctc(A)10	26	72858	72883	LSC	
XG	31	p1	(T)10	10	80219	80228	LSC	<i>rpoA</i>
XG	32	p1	(T)10	10	82141	82150	LSC	
XG	33	p1	(T)17	17	82666	82682	LSC	
XG	34	p1	(A)11	11	83196	83206	LSC	
XG	35	p1	(T)15	15	84646	84660	LSC	<i>rpl16(intron)</i>
XG	36	p1	(T)10	10	104903	104912	IRa	<i>trnI-GAU(intron)</i>
XG	37	p1	(A)11	11	109961	109971	IRa	
XG	38	p1	(T)14	14	114879	114892	SSC	
XG	39	p1	(T)10	10	116406	116415	SSC	
XG	40	p1	(A)11	11	116692	116702	SSC	<i>ccsA</i>
XG	41	p1	(T)12	12	120891	120902	SSC	
XG	42	p1	(T)12	12	126867	126878	SSC	<i>yefI</i>
XG	43	p1	(T)12	12	128476	128487	SSC	<i>yefI</i>
XG	44	p1	(A)12	12	128780	128791	SSC	<i>yefI</i>
XG	45	p1	(A)10	10	129313	129322	SSC	<i>yefI</i>
XG	46	p1	(T)17	17	129694	129710	SSC	<i>yefI</i>
XG	47	p1	(T)11	11	132766	132776	IRb	
XG	48	p1	(A)10	10	137825	137834	IRb	<i>trnI-GAU(intron)</i>

Table S5C Features of SSR in CKX

ID	SSR nr.	SSR type	SSR	Size	Start	End	Region	Gene
CKX	1	p1	(A)13	13	356	368	LSC	
CKX	2	p1	(A)10	10	3791	3800	LSC	
CKX	3	p1	(A)10	10	4384	4393	LSC	
CKX	4	p1	(T)10	10	8755	8764	LSC	
CKX	5	p1	(A)12	12	8897	8908	LSC	<i>psbI</i>
CKX	6	p1	(A)12	12	9422	9433	LSC	
CKX	7	p1	(A)11	11	12550	12560	LSC	
CKX	8	p1	(T)12	12	13922	13933	LSC	
CKX	9	p1	(T)13	13	15054	15066	LSC	
CKX	10	p1	(A)11	11	16874	16884	LSC	
CKX	11	p1	(T)11	11	19080	19090	LSC	<i>rpoC2</i>
CKX	12	p1	(T)10	10	26780	26789	LSC	<i>rpoB</i>
CKX	13	p1	(A)15	15	32195	32209	LSC	
CKX	14	p1	(A)11	11	32532	32542	LSC	
CKX	15	p1	(T)17	17	32836	32852	LSC	
CKX	16	p1	(A)14	14	37234	37247	LSC	
CKX	17	p1	(A)11	11	37873	37883	LSC	
CKX	18	p1	(A)12	12	38106	38117	LSC	
CKX	19	p1	(A)10	10	43792	43801	LSC	
CKX	20	p1	(A)13	13	45842	45854	LSC	<i>yef3(intron)</i>
CKX	21	p1	(A)10	10	46099	46108	LSC	

CKX	22	p1	(A)12	12	48947	48958	LSC	
CKX	23	p1	(T)12	12	52251	52262	LSC	
CKX	24	p1	(T)13	13	52990	53002	LSC	
CKX	25	p1	(T)10	10	55951	55960	LSC	<i>atpB</i>
CKX	26	p1	(T)15	15	56386	56400	LSC	
CKX	27	p1	(T)14	14	58603	58616	LSC	
CKX	28	p1	(T)15	15	60384	60398	LSC	
CKX	29	p1	(T)10	10	62758	62767	LSC	
CKX	30	p1	(A)10	10	64933	64942	LSC	
CKX	31	p1	(T)13	13	72898	72910	LSC	<i>clpP(intron)</i>
CKX	32	p1	(T)10	10	80258	80267	LSC	<i>rpoA</i>
CKX	33	p1	(T)10	10	82180	82189	LSC	
CKX	34	p1	(T)17	17	82705	82721	LSC	
CKX	35	p1	(A)11	11	83235	83245	LSC	
CKX	36	p1	(T)15	15	84685	84699	LSC	<i>rpl16</i>
CKX	37	p1	(T)10	10	104942	104951	IRa	<i>trnI-GAU(intron)</i>
CKX	38	p1	(A)11	11	110000	110010	IRa	
CKX	39	p1	(T)14	14	114918	114931	SSC	
CKX	40	p1	(T)10	10	116445	116454	SSC	
CKX	41	p1	(A)11	11	116731	116741	SSC	<i>ccsA</i>
CKX	42	p1	(T)12	12	120930	120941	SSC	
CKX	43	p1	(T)12	12	126907	126918	SSC	<i>yefl</i>
CKX	44	p1	(T)12	12	128513	128524	SSC	<i>yefl</i>
CKX	45	p1	(A)12	12	128817	128828	SSC	<i>yefl</i>
CKX	46	p1	(A)10	10	129350	129359	SSC	<i>yefl</i>
CKX	47	p1	(T)17	17	129731	129747	SSC	<i>yefl</i>
CKX	48	p1	(T)11	11	132803	132813	IRb	<i>rrn4.5</i>
CKX	49	p1	(A)10	10	137862	137871	IRb	<i>trnI-GAU(intron)</i>