

Table S2. Analysis of the physical and chemical properties of AsNACs family

Sequence ID	Number of amino acid	Molecular weight	Theoretical pI	Instability index	Aliphatic index	Grand Average of hydropathicity	Subcellular localization prediction
AS01G00216	319	36079.67	7.73	43.15	58.68	-0.623	nucl
AS01G00925	557	62296.32	4.71	36.85	73.34	-0.514	cyto
AS01G00926	401	45230.85	5.29	50.60	70.07	-0.614	nucl
AS01G01847	302	34920.48	6.41	49.82	68.41	-0.657	nucl
AS01G01894	255	28821.46	5.73	46.13	67.37	-0.645	nucl
AS01G01899	289	33366.61	8.15	40.39	63.39	-0.723	nucl
AS01G01901	377	42756.68	8.11	37.67	50.74	-0.823	nucl
AS01G02330	320	35749.08	9.08	32.91	67.62	-0.577	nucl
AS01G03176	621	69228.49	5.01	42.83	74.85	-0.452	chlo
AS01G03423	340	39570.40	5.73	49.64	70.53	-0.780	nucl
AS01G03559	449	50860.06	6.47	57.43	57.62	-0.954	nucl
AS01G03793	373	42621.51	8.67	38.19	67.21	-0.551	nucl
AS02G00175	421	47968.95	6.16	44.71	61.59	-0.862	nucl
AS02G00379	404	45314.87	5.15	54.21	71.96	-0.608	nucl
AS02G00495	273	31427.92	7.70	49.31	70.00	-0.561	cyto
AS02G00668	325	37234.96	7.69	42.84	61.14	-0.672	nucl
AS02G01142	182	21218.43	8.71	35.31	90.93	-0.395	cyto
AS02G01374	292	33792.20	6.18	34.27	68.77	-0.609	cyto
AS02G01776	344	39017.00	8.79	50.48	61.02	-0.637	nucl
AS02G01943	280	31579.55	6.30	47.92	76.46	-0.395	cyto
AS02G01966	414	47628.56	5.69	48.72	63.33	-0.957	nucl
AS02G02946	271	30387.99	4.69	36.61	73.65	-0.456	cyto
AS02G03264	291	33622.84	5.94	44.48	68.28	-0.624	nucl
AS02G03670	345	38508.92	9.05	34.71	56.58	-0.698	nucl
AS03G00191	423	47566.72	5.91	43.55	64.28	-0.791	nucl
AS03G00690	249	29471.21	7.09	39.24	56.71	-0.916	nucl
AS03G01757	382	43042.77	8.16	51.81	63.64	-0.492	cyto
AS03G01906	304	34309.76	6.41	47.06	69.47	-0.744	nucl
AS03G01908	330	37058.89	6.18	42.74	70.82	-0.649	cyto
AS03G02100	346	40585.21	4.96	58.42	72.43	-0.941	cyto
AS03G02549	355	39013.19	5.33	42.45	62.87	-0.619	nucl
AS03G02788	377	42614.42	4.85	38.71	59.76	-0.868	nucl
AS04G00040	196	21783.58	4.96	37.02	71.12	-0.413	nucl
AS04G00492	327	37329.54	8.88	35.24	71.53	-0.581	nucl
AS04G00551	340	39304.22	5.89	50.16	63.68	-0.764	nucl
AS04G01097	316	36394.22	6.83	45.48	60.41	-0.669	nucl
AS04G01209	395	44494.99	7.10	47.62	60.99	-0.617	nucl
AS04G01378	347	39123.68	5.78	52.28	66.51	-0.786	nucl
AS04G01380	177	20145.65	5.58	48.76	70.34	-0.793	chlo

AS04G01602	243	28004.23	4.77	42.69	62.96	-0.770	nucl
AS04G01855	267	30710.65	8.21	45.36	63.97	-0.778	nucl
AS04G02741	405	45964.22	5.55	46.28	62.32	-0.743	nucl
AS04G02779	344	39147.88	6.52	53.20	64.88	-0.662	nucl
AS04G03093	320	35884.41	8.83	37.24	65.84	-0.594	nucl
AS04G03094	337	37698.35	7.71	41.50	55.34	-0.764	nucl
AS05G00064	322	35714.28	5.69	40.53	65.99	-0.628	nucl
AS05G00426	359	40099.82	8.51	49.79	60.58	-0.719	pero
AS05G00469	306	34624.17	8.63	47.15	58.66	-0.524	nucl
AS05G00522	277	32120.15	7.01	44.49	56.03	-0.817	nucl
AS05G01480	542	59791.63	4.65	40.52	78.41	-0.310	chlo
AS05G01615	340	39185.61	6.90	34.29	56.50	-0.976	nucl
AS05G01661	306	35566.78	5.36	46.73	69.77	-0.710	nucl
AS05G01756	647	74034.25	5.56	42.64	73.52	-0.549	nucl
AS05G01836	333	37728.54	4.60	41.23	76.07	-0.847	nucl
AS05G02189	241	27789.63	8.60	45.13	70.00	-0.517	nucl
AS05G02314	532	59728.24	5.63	44.55	72.54	-0.573	pero
AS05G02391	356	41332.24	5.45	59.43	70.93	-0.751	nucl
AS05G02629	316	35736.04	6.54	46.86	68.58	-0.599	nucl
AS05G02988	298	34713.12	8.42	43.60	61.74	-0.811	cyto
AS05G03205	426	47848.01	7.58	47.31	67.09	-0.545	nucl
AS05G03428	158	18433.40	9.40	33.33	82.66	-0.149	chlo
AS06G00024	403	45712.00	6.03	39.18	60.20	-0.731	nucl
AS06G00247	578	63893.02	4.80	41.41	67.47	-0.465	nucl
AS06G00280	423	48414.09	6.61	43.95	63.62	-0.759	nucl
AS06G00324	225	25299.64	5.11	34.33	73.24	-0.482	nucl
AS06G00329	226	25370.88	4.55	56.66	57.35	-0.712	chlo
AS06G00534	316	35187.10	5.09	34.10	65.98	-0.731	cyto
AS06G00535	316	35187.10	5.09	34.10	65.98	-0.731	cyto
AS06G01077	292	33177.93	6.26	40.01	72.12	-0.474	cyto
AS06G01610	306	34812.30	7.12	34.10	63.46	-0.566	nucl
AS06G01977	221	25344.82	9.37	48.96	69.64	-0.628	nucl
AS06G02092	1064	120737.88	5.23	47.35	63.91	-0.935	nucl
AS06G02139	325	35927.30	4.82	41.89	80.89	-0.413	nucl
AS06G02501	216	24740.73	7.00	63.57	63.66	-0.673	nucl
AS06G02905	351	39139.96	7.68	43.27	56.15	-0.712	nucl
AS06G02906	319	36050.38	8.88	33.99	62.98	-0.661	nucl
AS07G00685	444	49684.23	6.26	43.58	61.06	-0.809	nucl
AS07G00932	263	29691.62	9.57	44.71	65.21	-0.659	nucl
AS07G01314	366	41281.65	5.28	31.43	61.86	-0.752	nucl
AS07G01329	436	49167.76	5.29	44.90	68.88	-0.718	nucl
AS07G02146	346	39225.08	6.56	46.55	57.46	-0.657	nucl
AS07G02624	336	38465.13	5.76	44.62	59.76	-0.700	nucl
AS07G03329	347	39674.85	7.65	42.11	61.21	-0.608	nucl

AS08G00177	396	45462.32	5.25	41.67	65.68	-0.818	nucl
AS08G00422	379	43046.43	6.20	39.73	70.79	-0.466	nucl
AS08G00799	241	27886.08	4.73	46.30	64.65	-0.830	cyto
AS08G00901	336	38029.43	4.83	50.27	58.30	-0.574	nucl
AS08G01406	223	25096.13	4.70	51.71	72.15	-0.645	nucl
AS08G02901	178	20719.80	9.88	34.03	69.04	-0.701	cyto
AS08G02995	351	40724.29	8.78	56.08	65.98	-0.662	cyto
AS08G02997	121	14009.06	9.90	55.75	71.65	-0.746	nucl
AS08G03800	194	22623.23	5.06	60.14	70.26	-0.721	nucl
AS08G03908	336	38725.14	7.23	33.63	68.18	-0.805	nucl
AS09G00111	353	40578.19	6.46	30.70	61.84	-0.861	nucl
AS09G00249	642	71534.39	5.07	49.63	76.68	-0.326	nucl
AS09G00279	479	53926.69	4.35	45.34	77.31	-0.581	nucl
AS09G00335	142	16842.06	6.29	47.95	72.04	-0.744	cyto
AS09G00337	173	20366.14	8.25	40.71	78.27	-0.654	cyto
AS09G00773	557	63136.69	4.91	46.52	71.72	-0.532	nucl
AS09G00957	369	42312.27	6.43	46.47	69.54	-0.789	nucl
AS09G00972	516	58523.38	4.27	39.84	77.05	-0.676	nucl
AS09G01123	492	55796.02	4.50	41.32	76.44	-0.625	nucl
AS09G01739	358	40623.36	8.89	47.23	60.92	-0.777	nucl
AS09G01807	280	31961.52	8.33	39.87	76.18	-0.586	cyto
AS09G01915	210	24108.20	4.92	41.76	79.38	-0.641	cyto
AS09G01919	393	44666.03	6.16	35.50	65.42	-0.825	nucl
AS10G00848	285	32998.19	6.97	42.03	58.14	-0.678	nucl
AS10G00933	116	13625.80	9.48	14.10	86.47	-0.453	cyto
AS10G02603	289	32739.89	5.66	33.90	72.49	-0.627	cyto
AS10G02819	335	39679.18	5.01	60.53	55.58	-1.132	nucl
AS11G00148	365	42334.25	5.38	54.42	59.84	-0.863	nucl
AS11G00354	103	12119.90	9.96	33.64	45.44	-0.987	mito
AS11G00363	138	15985.05	8.64	17.32	63.62	-0.612	nucl
AS11G00860	284	32533.07	7.01	44.79	69.37	-0.560	cyto
AS11G01487	286	32731.95	5.83	33.61	74.34	-0.477	cyto
AS11G01488	285	32933.19	6.07	33.19	68.77	-0.589	cyto
AS11G01489	289	33142.27	5.53	37.29	66.47	-0.596	chlo
AS11G02184	463	52437.56	6.41	47.24	60.43	-0.872	nucl
AS11G02415	233	26466.92	6.98	63.07	66.09	-0.538	nucl
AS11G02673	207	23873.95	4.63	34.64	81.93	-0.550	cyto
ASUnG00264	348	40857.77	7.67	43.50	61.01	-0.922	nucl
ASUnG00355	306	35915.23	5.39	44.03	63.04	-0.801	nucl
