

Supplementary Table 2. Physicochemical properties of *CsNACs* family members

Genename	Gene ID	AA	MW(KDa)	PI	Instabil-ity index	Aliphat index	Average of Hydrop ath-icity	Subcellular loc al-ization
<i>CsNAC1</i>	CSS0030755.1	591	65897.53	4.84	33.92	69.78	-0.461	mito
<i>CsNAC2</i>	CSS0041539.1	408	45882.64	5.6	47.36	69.12	-0.713	chlo
<i>CsNAC3</i>	CSS0042335.1	244	27981.65	6.53	50.78	55.25	-0.789	nucl
<i>CsNAC4</i>	CSS0021199.1	279	32345.82	7.73	55.49	77.2	-0.649	cyto
<i>CsNAC5</i>	CSS0028069.1	356	41365.89	5.2	48.46	59.16	-0.926	nucl
<i>CsNAC6</i>	CSS0036521.1	356	41365.89	5.2	48.46	59.16	-0.926	nucl
<i>CsNAC7</i>	CSS0036452.1	320	36901.49	5.89	33.86	57.91	-0.821	nucl
<i>CsNAC8</i>	CSS0033241.1	333	38251.98	6.03	33.77	58.59	-0.814	nucl
<i>CsNAC9</i>	CSS0047573.1	442	49373.39	5.63	41.95	67.24	-0.524	nucl
<i>CsNAC10</i>	CSS0007516.1	398	44540.68	5.41	40.02	67.61	-0.703	nucl
<i>CsNAC11</i>	CSS0002889.1	400	44868.52	6.46	45.49	60.98	-0.581	cyto
<i>CsNAC12</i>	CSS0009126.1	174	19723.77	9.6	36.67	79.54	-0.578	nucl
<i>CsNAC13</i>	CSS0030102.1	280	32317.72	7.13	48.46	67.18	-0.644	nucl
<i>CsNAC14</i>	CSS0049992.1	677	76885.74	5.73	44.95	64.62	-0.668	nucl
<i>CsNAC15</i>	CSS0038294.1	679	77154.05	5.74	44.67	64.86	-0.669	nucl
<i>CsNAC16</i>	CSS0012261.1	320	36334.66	5.7	43.03	64.62	-0.664	nucl
<i>CsNAC17</i>	CSS0025447.1	159	18049.34	8.94	44.6	53.9	-0.76	chlo
<i>CsNAC18</i>	CSS0012301.1	256	29163.69	8.76	49.78	59.69	-0.759	nucl
<i>CsNAC19</i>	CSS0043054.1	464	51836	6.05	61.88	58.86	-0.769	nucl
<i>CsNAC20</i>	CSS0003724.1	192	21931.49	5	34.02	66.98	-0.672	nucl
<i>CsNAC21</i>	CSS0012589.1	388	43852.16	7.72	56.65	64.64	-0.65	nucl
<i>CsNAC22</i>	CSS0029319.1	301	33325.54	6.15	54.82	73.46	-0.331	cyto
<i>CsNAC23</i>	CSS0036871.1	515	58591.82	4.66	42.94	65.67	-0.749	nucl
<i>CsNAC24</i>	CSS0047536.1	288	33115.62	7.06	45.18	71.46	-0.586	nucl
<i>CsNAC25</i>	CSS0024133.1	198	23535.19	9.04	31.86	73.89	-0.572	cyto
<i>CsNAC26</i>	CSS0034532.1	263	29870.03	5.69	57.18	55.63	-0.781	nucl
<i>CsNAC27</i>	CSS0024816.1	264	29642.76	5.55	56.67	57.61	-0.704	nucl
<i>CsNAC28</i>	CSS0022987.1	253	28942.89	5.43	59.17	50.95	-0.855	nucl
<i>CsNAC29</i>	CSS0050284.1	332	37884.76	8.41	32.37	64.91	-0.703	nucl
<i>CsNAC30</i>	CSS0034086.1	332	37884.76	8.41	32.37	64.91	-0.703	nucl
<i>CsNAC31</i>	CSS0037616.1	104	12298	6.59	49.92	75.87	-0.908	nucl
<i>CsNAC32</i>	CSS0042055.1	331	37154.6	8.64	37.7	62.15	-0.622	nucl
<i>CsNAC33</i>	CSS0023161.1	233	26120.91	9.97	31.65	70.34	-0.715	nucl
<i>CsNAC34</i>	CSS0013510.1	331	37198.71	8.57	37.47	62.72	-0.605	nucl
<i>CsNAC35</i>	CSS0005154.1	247	28135.86	8.78	48.79	62.35	-0.681	nucl
<i>CsNAC36</i>	CSS0013789.1	283	32742.09	8.98	25.66	56.86	-0.793	nucl
<i>CsNAC37</i>	CSS0012182.1	424	47969.43	4.96	49.03	70.07	-0.728	nucl
<i>CsNAC38</i>	CSS0041233.2	426	48223.76	4.93	49.54	71.57	-0.711	cyto
<i>CsNAC39</i>	CSS0043027.1	451	50766.31	6.31	48.44	56.23	-0.929	nucl
<i>CsNAC40</i>	CSS0027575.1	398	45554.58	6.24	54.07	59.02	-0.893	nucl
<i>CsNAC41</i>	CSS0010251.1	403	45890.11	6.72	45.1	57.82	-0.871	nucl

<i>CsNAC42</i>	CSS0036396.1	380	43313.41	6.71	57.57	67.03	-0.736	nucl
<i>CsNAC43</i>	CSS0048023.1	294	34373.47	6.42	44.93	69.97	-0.659	nucl
<i>CsNAC44</i>	CSS0034425.1	297	34380.7	8.12	35.43	63.64	-0.755	cysk
<i>CsNAC45</i>	CSS0036918.1	303	34474.4	7.97	44.09	60.1	-0.509	nucl
<i>CsNAC46</i>	CSS0046480.1	335	37338.04	8.92	48.02	65.25	-0.676	nucl
<i>CsNAC47</i>	CSS0041387.1	348	39228.07	9.05	41.9	65.29	-0.626	nucl
<i>CsNAC48</i>	CSS0028026.1	335	37307.96	8.92	46.87	65.25	-0.684	nucl
<i>CsNAC49</i>	CSS0044064.1	348	39114.92	8.86	41.35	65.29	-0.617	nucl
<i>CsNAC50</i>	CSS0011587.1	281	31858.02	9.14	47.06	60.68	-0.902	nucl
<i>CsNAC51</i>	CSS0029840.1	558	62489.49	4.74	36.56	65.91	-0.547	chlo
<i>CsNAC52</i>	CSS0031630.1	394	44449.81	5.24	50.17	71.02	-0.648	nucl
<i>CsNAC53</i>	CSS0015698.1	343	40181.89	5.73	46.03	59.94	-0.895	nucl
<i>CsNAC54</i>	CSS0043218.1	459	51605.09	5.04	45.71	64.79	-0.76	nucl
<i>CsNAC55</i>	CSS0026183.1	531	59134.13	5.33	41.49	75.99	-0.566	cyto
<i>CsNAC56</i>	CSS0024471.1	307	34470.59	6.93	45.99	72.61	-0.723	nucl
<i>CsNAC57</i>	CSS0009533.1	269	30345.88	6.5	46.91	68.77	-0.683	cyto
<i>CsNAC58</i>	CSS0044735.1	305	34789.39	8.14	53.72	68.72	-0.554	nucl
<i>CsNAC59</i>	CSS0023885.1	305	34751.32	7.65	52.83	70.95	-0.518	nucl
<i>CsNAC60</i>	CSS0026560.1	148	17299.44	8.78	29.3	60.61	-0.936	pero
<i>CsNAC61</i>	CSS0009378.1	382	43985.23	5.75	48.31	68.9	-0.795	mito
<i>CsNAC62</i>	CSS0011167.1	303	34043.27	8.16	43.62	72.01	-0.793	nucl
<i>CsNAC63</i>	CSS0035736.1	115	13119.06	9.41	19.62	56	-0.536	nucl
<i>CsNAC64</i>	CSS0002599.1	154	18214.79	9.04	39.96	65.19	-0.705	mito
<i>CsNAC65</i>	CSS0043232.1	291	33393.09	6.72	53.69	64.05	-0.629	nucl
<i>CsNAC66</i>	CSS0001552.1	102	11472.25	10.26	28.98	49.8	-0.704	nucl
<i>CsNAC67</i>	CSS0007051.1	157	18314.68	7.02	26.15	56.56	-0.701	cyto
<i>CsNAC68</i>	CSS0026326.1	231	26306.74	8.84	43.08	63.2	-0.606	cyto
<i>CsNAC69</i>	CSS0037976.1	452	50904.52	4.97	45.08	64.6	-0.814	cyto
<i>CsNAC70</i>	CSS0016712.1	522	59418.78	5.35	40.82	69.35	-0.662	nucl
<i>CsNAC71</i>	CSS0030067.1	366	40395.31	8.88	36.04	57.05	-0.623	nucl
<i>CsNAC72</i>	CSS0025768.1	249	29152.84	9.06	58.58	54.42	-0.898	nucl
<i>CsNAC73</i>	CSS0003331.1	231	26959.27	7.11	57.11	58.23	-0.862	nucl
<i>CsNAC74</i>	CSS0026298.1	249	29067.67	8.98	59.64	54.42	-0.896	nucl
<i>CsNAC75</i>	CSS0039744.1	290	33106.52	8.66	35.26	63.55	-0.705	extr
<i>CsNAC76</i>	CSS0018272.1	122	13980.37	9.77	39.17	69.67	-0.511	pero
<i>CsNAC77</i>	CSS0034377.1	472	53318.06	5.53	40.32	55	-0.81	nucl
<i>CsNAC78</i>	CSS0021788.1	418	48054.17	6.43	41.93	51.12	-0.992	nucl
<i>CsNAC79</i>	CSS0038387.1	403	45673.58	6.07	56.47	74.24	-0.636	nucl
<i>CsNAC80</i>	CSS0010836.1	240	27573.17	8.6	55.55	61.71	-0.672	nucl
<i>CsNAC81</i>	CSS0003295.1	268	30715.36	5.44	42.2	68.02	-0.64	chlo
<i>CsNAC82</i>	CSS0009509.1	361	41599.92	5.1	53.37	63.99	-0.79	nucl
<i>CsNAC83</i>	CSS0022840.1	397	45538.32	5	57.06	64.84	-0.73	nucl
<i>CsNAC84</i>	CSS0047695.1	217	26181.53	9.44	29.41	73.69	-0.458	extr
<i>CsNAC85</i>	CSS0018865.1	282	32121.38	8.76	26.52	64.29	-0.636	nucl

<i>CsNAC86</i>	CSS0016823.1	78	9479.05	5.85	62.95	93.72	-0.394	cyto
<i>CsNAC87</i>	CSS0037308.1	349	38749.94	8.3	53.7	65.13	-0.325	cyto
<i>CsNAC88</i>	CSS0045861.1	237	27282.35	5.24	48.91	57.17	-0.806	nucl
<i>CsNAC89</i>	CSS0042675.2	302	34130.72	5.41	46.8	46.72	-0.719	nucl
<i>CsNAC90</i>	CSS0038973.1	347	40467.24	6.42	53.78	61.24	-0.893	pero
<i>CsNAC91</i>	CSS0020712.1	210	24179.97	10	50.71	74.29	-0.585	chlo
<i>CsNAC92</i>	CSS0036947.1	246	27940.33	8.42	55.9	55.49	-0.776	nucl
<i>CsNAC93</i>	CSS0001450.1	291	33085.94	5.93	47.83	63.64	-0.673	nucl
<i>CsNAC94</i>	CSS0022658.1	197	22310.99	5.13	38.2	67.77	-0.609	nucl
<i>CsNAC95</i>	CSS0047135.1	346	39037.24	5.39	44	47.86	-0.727	nucl
<i>CsNAC96</i>	CSS0014932.1	306	35365.12	6.09	54.2	56.05	-0.825	nucl
<i>CsNAC97</i>	CSS0044968.2	449	50295.03	6.45	46.41	62.61	-0.842	nucl
<i>CsNAC98</i>	CSS0012810.1	244	27244.54	8.43	37.72	67.91	-0.718	nucl
<i>CsNAC99</i>	CSS0038906.1	351	39424.88	8.88	40.78	66.64	-0.589	nucl
<i>CsNAC100</i>	CSS0026185.1	319	36164.43	7.68	47.77	54.45	-0.722	nucl

AA, The numbers of amino acid residues; MW, Molecule weight; kDa: kilo-Dalton pI, Theoretical isoelectric point; mito: mitochondrion; chlo: chloroplast; nucl: nucleus; cyto: cytoplasm; cysk: cytoskeleton; pero: peroxidase.