

Additional file 2: Table S2. Description of *T.aestivum*, *T.urartu*, *A.tauschii* and *H.vulgare annexin* genes.

Species	Gene	AA	pI/MW	Aliphatic index	Grand average of hydrophobicity	Subcellular localization
	<i>TaAnn1-A</i>	308	9.16/34828.8	86.88	-0.286	Cytoplasmic
	<i>TaAnn1-D</i>	316	9.01/35404.3	86.23	-0.343	Cytoplasmic
	<i>TaAnn2-A</i>	362	6.68/39734.3	89.01	-0.278	Cytoplasmic
	<i>TaAnn2-B</i>	361	6.64/39688.2	88.7	-0.283	Cytoplasmic
	<i>TaAnn3-A</i>	315	6.60/34774.7	84.98	-0.261	Cytoplasmic
	<i>TaAnn3-B</i>	315	6.47/34837.7	84.03	-0.283	Cytoplasmic
	<i>TaAnn4-A</i>	286	5.28/31565.7	92.83	-0.24	Cytoplasmic
<i>T.aestivum</i>	<i>TaAnn4-D</i>	315	5.75/34656.3	92.41	-0.236	Cytoplasmic
	<i>TaAnn5-B</i>	308	6.2/34549.4	91.46	-0.269	Cytoplasmic
	<i>TaAnn6-A</i>	316	9.31/35654.7	89.02	-0.307	Cytoplasmic
	<i>TaAnn6-A</i>	316	9.01/35438.3	83.77	-0.359	Cytoplasmic
	<i>TaAnn6-B</i>	316	9.4/35660.8	89.65	-0.304	Cytoplasmic
	<i>TaAnn7-B</i>	319	6.68/35671.6	90.6	-0.321	Cytoplasmic
	<i>TaAnn7-D</i>	319	7.06/35449.4	90.63	-0.288	Cytoplasmic
	<i>TaAnn8-A</i>	367	9.22/40442.0	77.06	-0.443	Cytoplasmic

	<i>TaAnn8-D</i>	363	9.22/40169.6	75.21	-0.5	Cytoplasmic
	<i>TaAnn9-B</i>	315	8.95/35436.5	81.21	-0.435	Periplasmic
	<i>TaAnn9-D</i>	315	8.95434.4	82.13	-0.437	Periplasmic
	<i>TaAnn10-A</i>	322	8.9/36719.9	81.96	-0.47	Cytoplasmic
	<i>TaAnn10-B</i>	330	9.09/37585.9	80.55	-0.501	Cytoplasmic
	<i>TaAnn10-D</i>	330	8.9/37509.8	82.33	-0.465	Cytoplasmic
	<i>TaAnn11-A</i>	315	6.15/35388.1	88.38	-0.395	Cytoplasmic
	<i>TaAnn11-B</i>	315	6.36/35372.1	88.73	-0.39	Cytoplasmic
	<i>TaAnn11-D</i>	315	6.36/35332.1	87.46	-0.398	Cytoplasmic
	<i>TaAnn12-A</i>	314	6.81/35327.1	90.16	-0.428	Cytoplasmic
	<i>TaAnn12-D</i>	314	6.81/35239	90.19	-0.425	Cytoplasmic
<i>T.urartu</i>	<i>TuAnn1</i>	285	6.72/31261.5	82.21	-0.249	Cytoplasmic
	<i>TuAnn2</i>	328	7.67/35713.8	91.4	-0.211	Cytoplasmic
	<i>TuAnn3</i>	315	6.93/34894.8	85.3	-0.267	Cytoplasmic
	<i>TuAnn6</i>	291	9.82/32494.6	96.63	-0.095	Cytoplasmic
	<i>TuAnn9</i>	339	8.75/38234.7	84.37	-0.411	Cytoplasmic
	<i>TuAnn10</i>	323	9.09/36876.0	78.39	-0.525	Cytoplasmic
	<i>TuAnn11</i>	312	6.15/34999.7	89.23	-0.397	Cytoplasmic
	<i>TuAnn12</i>	314	6.81/35327.1	90.16	-0.428	Cytoplasmic
	<i>AeAnn1</i>	276	9.07/30764.1	84.2	-0.322	Cytoplasmic

<i>A. tauschii</i>	<i>AeAnn2</i>	346	7.20/38236.7	90.55	-0.234	Cytoplasmic	
	<i>AeAnn3</i>	315	6.58/34814.7	84.35	-0.263	Cytoplasmic	
	<i>AeAnn4</i>	317	5.62/34874.5	91.51	-0.246	Cytoplasmic	
	<i>AeAnn5</i>	338	9.21/38360.5	69.59	-0.572	Cytoplasmic	
	<i>AeAnn6</i>	170	9.01/19146.9	94.18	-0.231	Cytoplasmic	
	<i>AeAnn7</i>	320	6.48/35633.6	87.88	-0.304	Cytoplasmic	
	<i>AeAnn9</i>	339	8.75/38206.7	84.37	-0.412	Cytoplasmic	
	<i>AeAnn10</i>	330	8.9/37509.8	82.33	-0.465	Cytoplasmic	
	<i>AeAnn11</i>	315	6.36/35332.1	87.46	-0.398	Cytoplasmic	
	<i>AeAnn12</i>	344	6.43/38657.0	92.53	-0.331	Cytoplasmic	
	<i>H. vulgare</i>	<i>HvAnn1</i>	316	8.87/35582.7	91.11	-0.292	Cytoplasmic
		<i>HvAnn2</i>	362	6.47/39842.6	90.86	-0.227	Cytoplasmic
<i>HvAnn3</i>		316	6.47/ 34985.8	82.53	-0.31	Cytoplasmic	
<i>HvAnn5</i>		327	7.60/ 36977.1	87.68	-0.319	Cytoplasmic	
<i>HvAnn6</i>		373	9.82/41824.8	86.14	-0.353	Cytoplasmic	
<i>HvAnn7</i>		359	7.66/39782.4	85.96	-0.351	Cytoplasmic	
<i>HvAnn8</i>		363	9.22/39935.3	74.96	-0.455	Cytoplasmic	
<i>HvAnn9</i>		315	8.95/35421.5	80.89	-0.434	Periplasmic	
<i>HvAnn10</i>		321	8.9/36641.7	79.13	-0.504	Cytoplasmic	
<i>HvAnn11</i>		315	6.57/35498.3	89.62	-0.371	Cytoplasmic	
<i>HvAnn12</i>		314	6.52/35246.0	92.36	-0.395	Cytoplasmic	

AA, protein length (number of amino acid); pI, theoretical isoelectric point; MW, molecular weight