

Table S1. Prediction of physicochemical properties and subcellular localization of BnIPT proteins.

Gene ID	Name	Number of Amino Acid	Mw (KDa)	PI	Gravy	Subcellular Localization
<i>BnaA01G0322000ZS</i>	<i>BnIPT1</i>	324	36.89	8.50	-0.335	Chloroplast
<i>BnaA02G0076800ZS</i>	<i>BnIPT2</i>	331	37.61	5.75	-0.223	Chloroplast
<i>BnaA02G0083300ZS</i>	<i>BnIPT3</i>	417	47.80	5.70	-0.474	Cell membrane/ chloroplast/ Mitochondria/ Nucleus
<i>BnaA02G0174100ZS</i>	<i>BnIPT4</i>	348	39.73	8.73	-0.422	Chloroplast/ Cytoplasm
<i>BnaA03G0086000ZS</i>	<i>BnIPT5</i>	401	46.18	6.14	-0.451	Chloroplasts/ Mitochondria
<i>BnaA03G0357200ZS</i>	<i>BnIPT6</i>	326	36.93	9.02	-0.303	Chloroplast
<i>BnaA04G0002800ZS</i>	<i>BnIPT7</i>	334	37.34	8.11	-0.137	Chloroplast
<i>BnaA04G0179800ZS</i>	<i>BnIPT8</i>	395	44.15	5.87	-0.375	Chloroplast/ Cytoplasm
<i>BnaA07G0075700ZS</i>	<i>BnIPT9</i>	332	37.15	8.68	-0.222	Chloroplast/ Cytoplasm/ Mitochondria
<i>BnaA07G0275400ZS</i>	<i>BnIPT10</i>	333	37.76	8.91	-0.335	Chloroplast
<i>BnaA09G0568800ZS</i>	<i>BnIPT11</i>	332	37.57	8.40	-0.187	Chloroplast
<i>BnaA10G0183600ZS</i>	<i>BnIPT12</i>	334	37.89	6.35	-0.236	Chloroplast
<i>BnaC01G0355800ZS</i>	<i>BnIPT13</i>	319	35.76	8.43	-0.254	Chloroplast
<i>BnaC01G0398300ZS</i>	<i>BnIPT14</i>	324	36.76	8.84	-0.327	Chloroplast
<i>BnaC02G0090600ZS</i>	<i>BnIPT15</i>	334	37.85	5.75	-0.197	Chloroplast/ Cytoplasm/ Mitochondria
<i>BnaC02G0099100ZS</i>	<i>BnIPT16</i>	379	43.49	5.40	-0.562	Chloroplast/ Cytoplasm/ Mitochondria
<i>BnaC02G0224500ZS</i>	<i>BnIPT17</i>	348	39.60	8.92	-0.407	Chloroplast/ Cytoplasm
<i>BnaC03G0098500ZS</i>	<i>BnIPT18</i>	463	52.23	7.03	-0.427	Chloroplast
<i>BnaC03G0435200ZS</i>	<i>BnIPT19</i>	325	37.06	8.87	-0.344	Chloroplast
<i>BnaC04G0257300ZS</i>	<i>BnIPT20</i>	334	37.60	6.96	-0.146	Chloroplast
<i>BnaC04G0479000ZS</i>	<i>BnIPT21</i>	464	52.46	5.79	-0.548	Chloroplast
<i>BnaC06G0312200ZS</i>	<i>BnIPT22</i>	332	37.45	9.07	-0.329	Chloroplast/ Cytoplasm/ Mitochondria
<i>BnaC07G0117300ZS</i>	<i>BnIPT23</i>	332	37.17	8.90	-0.212	Chloroplast
<i>BnaC08G0418800ZS</i>	<i>BnIPT24</i>	332	37.56	8.76	-0.172	Chloroplast
<i>BnaC09G0474600ZS</i>	<i>BnIPT25</i>	334	37.94	6.56	-0.215	Chloroplast

<i>Bnascaffold0026G000</i> 6100ZS	<i>BnIPT26</i>	464	52.29	7.96	-0.447	Chloroplast
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