

Table 2 Basic physiological and chemical features of PDCT proteins identified

Protein name	Number of amino acids (aa)	Molecular weight (k Da)	pI	Number of negatively charged residues (Asp+Glu)	Number of positively charged residues (Arg+Lys)	Total number of atoms	Instability index	Aliphatic index	GRAVY
AhPDCT1	295	32.32	9.26	19	26	4550	45.55	90.98	0.209
AhPDCT2	306	33.20	9.78	17	27	4688	44.96	93.17	0.193
AhPDCT3	304	33.09	9.66	18	26	4666	45.93	92.8	0.199
BnPDCT1	282	31.32	9.23	19	25	4391	39.22	90.21	0.199
BnPDCT2	283	31.22	8.81	21	24	4382	42.26	91.94	0.204
BnPDCT3	283	31.13	9.05	20	24	4367	42.94	90.92	0.195
BnPDCT4	280	31.06	9.34	18	25	4362	38.09	90.86	0.227
GmPDCT1	279	30.51	9.14	17	22	4287	39.63	92.69	0.266
GmPDCT2	267	28.98	9.4	15	21	4081	38.57	92.81	0.28
GhPDCT1	291	32.33	10.06	14	30	4574	34.94	91.72	0.252
GhPDCT2	224	25.13	9.69	12	20	3579	38.42	107.01	0.536
GhPDCT3	275	30.21	9.77	17	28	4268	33.63	89.71	0.221
GhPDCT4	271	29.78	9.72	17	27	4206	34.61	90.66	0.238
HaPDCT1	274	30.14	9.08	15	19	4253	29.92	93.21	0.323
HaPDCT2	280	31.29	8.47	18	20	4413	43.67	96.04	0.305
SiPDCT	294	32.19	10.01	17	30	4558	35.98	90.99	0.102
NnPDCT1	283	31.60	9.96	19	31	4469	36.95	92.33	0.166
NnPDCT2	280	30.87	9.95	19	29	4373	37.07	96.11	0.28
OsPDCT	307	31.49	9.04	19	25	4417	46.76	89.19	0.37
ZmPDCT	282	29.98	8.15	21	23	4214	44.85	93.23	0.326