

Table 1 Physical and chemical parameters of Neurotransmitter transporters proteins in different *T. gondii* strains

	TGME49_208420	TGME49_264870	TGME49_314340	TGGT1_208420	TGGT1_264870	TGGT1_314340	TGVEG_208420	TGVEG_264870	TGVEG_314340
1. Number of amino acids	1030	1037	1577	1026	1037	1560	1030	1037	1577
2. Molecular weight	113409.5	109080.0	165858.8	113014.1	109004.9	164321.1	113409.5	109033.9	165858.8
3. Theoretical pI	8.87	8.55	5.93	8.83	8.39	5.90	8.87	8.31	5.93
4. Total number of negatively charged residues (Asp + Glu)	71	66	149	71	67	149	71	68	149
5. Total number of positively charged residues (Arg + Lys)	86	75	134	85	74	134	86	74	134
6. Formula	C ₅₁₈₂ H ₇₉₅₄ N ₁₃₆₆ O ₁₃₉ 7S ₅₂	C ₄₉₅₆ H ₇₇₀₂ N ₁₃₁₀ O ₁ 385S ₄₀	C ₇₂₇₃ H ₁₁₄₄₀ N ₂₀₄₂ O ₂ 274S ₆₂	C ₅₁₆₇ H ₇₉₂₁ N ₁₃₆₁ O ₁₃₉₀ S ₅₂	C ₄₉₅₇ H ₇₆₉₇ N ₁₃₀₃ O ₁₃ 86S ₄₀	C ₇₂₀₃ H ₁₁₃₂₈ N ₂₀₂₂ O 2253S ₆₃	C ₅₁₈₂ H ₇₉₅₄ N ₁₃₆₆ O 1397S ₅₂	C ₄₉₅₉ H ₇₇₀₀ N ₁₃₀₂ O ₁ 387S ₄₀	C ₇₂₇₃ H ₁₁₄₄₀ N ₂₀₄₂ O ₂₂₇₄ S ₆₂
7. Total number of atoms	15951	15393	23091	15891	15383	22869	15951	15388	23091
8. Ext. coefficient	157565	127780	151850	157565	126290	151850	157565	126290	151850
9. Estimated half-life (hrs)	30	30	30	30	30	30	30	30	30
10. Instability index	42.33	55.49	69.36	42.32	55.48	68.00	42.33	55.61	69.36
11. Aliphatic index	92.72	95.09	75.12	92.70	95.00	75.12	92.72	95.18	75.12
12. Grand average of hydropathicity (GRAVY)	0.267	0.401	-0.124	0.274	0.410	-0.121	0.267	0.412	-0.124
13. solubility	insoluble; 0.363	insoluble; 0.392	soluble; 0.608	insoluble; 0.369	insoluble; 0.409	soluble; 0.619	insoluble; 0.363	insoluble; 0.416	soluble; 0.608