

Table S-2 Gene predictions for proteins involved in synaptic vesicle release

Gene Number	Gene Name or Synonym	Gene Characteristics	Expression Data
SPU_23951	Sp-Sh3gl3, endophilin	BAR domain	
SPU_07413	Sp-Unc13, Munc13	Rab effector	
SPU_03760	Sp-RIM2	Rab effector	
SPU_14655	Sp-Exoc1	Exocyst complex	
SPU_28263	Sp-Exoc2	Exocyst complex	
SPU_04177	Sp-Exoc3	Exocyst complex	
SPU_01083 + SPU_01084	Sp-Exoc4	Exocyst complex	
SPU_24725	Sp-Exoc5	Exocyst complex	
SPU_13045	Sp-Exoc6	Exocyst complex	
SPU_12639	Sp-Exoc7	Exocyst complex	
SPU_12639	Sp-Exoc8	Exocyst complex	
SPU_15335	Sp-Vamp1, synaptobrevin	R-SNARE	egg, sperm
SPU_04195	Sp-Sec22 2	R-SNARE	
SPU_14365	Sp-Sec22 1	R-SNARE	
SPU_12329	Sp-Stx1	Qa-SNARE	egg, sperm
SPU_14243	Sp-Stx5	Qa-SNARE	
SPU_01979	Sp-Stx6	Qc-SNARE	
SPU_04249	Sp-Stx8	Qc-SNARE	
SPU_18026	Sp-Stx12	SNARE	
SPU_28884 + SPU_28885	Sp-Stx16	Qa-SNARE	
SPU_12715	Sp-Stx17	SNARE	
SPU_06176	Sp-Stx18	SNARE	
SPU_04669	Sp-Gosr2, membrin	Qb-SNARE	
SPU_06886	Sp-Bet1	Qc-SNARE	
SPU_21516	Sp-Snap25	Qb, Qc-SNARE	egg, sperm
SPU_13544	Sp-Snap29	Qc-SNARE	
SPU_06065	Sp-Vti1	Qb-SNARE	
SPU_02552	Sp-Stxbp1, Munc18	SM, Stx binding protein	egg
SPU_21816	Sp-Nsf	AAA ATP'ase, chaperone	egg
SPU_19300	Sp-Napa	NSF attachment protein	egg
SPU_12085	Sp-Rab3	GTP'ase	egg
SPU_05854	Sp-Syt1-1, Syt-B, SynB	Synaptotagmin	egg; neural tissue in early pluteus, adult
SPU_02292	Sp-Syt1-2	Synaptotagmin	
SPU_23425	Sp-Syt4	Synaptotagmin	
SPU_19995	Sp-Syt5	Synaptotagmin	
SPU_07948	Sp-Syt6-1	Synaptotagmin	
SPU_19127	Sp-Syt6-2	Synaptotagmin	
SPU_20199	Sp-Syt7	Synaptotagmin	
SPU_18035; SPU_20349	Sp-Syt9	Synaptotagmin	
SPU_12856	Sp-Syt12	Synaptotagmin	
SPU_01640	Sp-Syt14	Synaptotagmin	
SPU_16698	Sp-Syt15-1-5'	Synaptotagmin	
SPU_28132	Sp-Syt15-1-3'	Synaptotagmin	
SPU_22209	Sp-Syt15-2	Synaptotagmin	
SPU_01702	Sp-17, B/K protein	Synaptotagmin	