

S3 Table. Rhodopsin and opsin genes found in the genome assembly.

Note that the cluster of SWS2A, SWS2B, LWS-1, LWS-2, and LWS-3 on the Cumaná BAC 35E7 (HM540108) has been annotated in reverse order relative to chromosome [3].

Guppy Opsin	LG	NCBI Gene ID	Position on scaffold (mRNA)	GenBank Accession	Reference
RH2_1	5	XP_008406984.1	scaffold_31:5601938-5604011	DQ234859.1	[1]
RH2_2	5	XP_008406985.1	scaffold_31:5616145-5620938	DQ234858.1	[1]
LWS-1 (A180)	5	XP_008408728.1	scaffold_43:4295595-4297764	HQ260675.1; HM540108.1	[2, 3]
LWS-2 (P180)	5	XP_008408794.1	scaffold_43:4280373-4290244	AB748956.1; HM540108.1	[3, 4]
LWS-3 (S180)	5	XP_008408727.1	scaffold_43:4274724-4276879	HQ260677.1; HM540108.1	[2, 3]
SWS2B	5	XP_008408729.1	scaffold_43:4306172-4308530	DQ234860.1; HM540108.1	[1, 3]
SWS2A	5	XP_008408730.1	scaffold_43:4310261-4313196	JF303638.1; HM540108.1	[2, 3]
LWS-4 (S180r)	21	XP_008395693.1	scaffold_19:2104249-2111012	HQ260678.1; HM540107.1	[2, 3]
SWS1	UN	XP_008399945.1	scaffold_125:1382757-1384348	DQ234861.1	[1]
RH-1 (Rhodopsin)	7	XP_008412214.1	scaffold_1:6207362-6208968	DQ912023.1	[1]

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