

LWS Hyalella azteca maspades NODE 26774 length 987 cov 2.126316 g14561 i0.p = not an opsin

Top 5 BLASTp hits

Description
PREDICTED: probable G-protein coupled receptor No9 [Hyalella azteca]
hypothetical protein HAZT_HAZT001365 [Hyalella azteca]
G protein-coupled receptor rhodopsin-like [Trinorchestia longiramus]
octopamine receptor alpha-R [Homarus americanus]
octopamine receptor Oamb [Onthophagus taurus]

E value	Accession
0.0	XP_018020834.1
0.0	KAA0199975.1
0.0	KAF2367173.1
4e-97	A0G12992.1
4e-89	XP_022918265.1

MWS Gammarus fossarum GHDA01 underscore gi 0 gb GHDA01249023.1 .p = not an opsin

Top 5 BLASTp hits

Description
alpha-1A adrenergic receptor-like isoform X2 [Varroa destructor]
alpha-1A adrenergic receptor-like [Varroa jacobsoni]
alpha-1A adrenergic receptor-like isoform X1 [Varroa destructor]
alpha-1A adrenergic receptor-like [Tropilaelaps mercedesae]
alpha-1A adrenergic receptor [Galendromus occidentalis]

E value	Accession
2e-55	XP_022661983.1
2e-55	XP_022692218.1
2e-55	XP_022661981.1
2e-55	OQR67270.1
8e-55	XP_003748403.1

VERL Talitrus saltator GDUJ01 underscore gi 0 gb GDUJ01037444.1 .p = opsin

Top 5 BLASTp hits

Description
G protein-coupled receptor rhodopsin-like [Trinorchestia longiramus]
G protein-coupled receptor rhodopsin-like [Trinorchestia longiramus]
Opsin-5 [Daphnia magna]
opsin-5-like [Daphnia magna]
hypothetical protein DAPPUDRAFT_194423 [Daphnia pulex]

E value	Accession
0.0	KAF2350182.1
4e-85	KAF2360463.1
3e-72	KZS13848.1
5e-72	XP_032791760.1
5e-70	EFX84680.1

LWS Talitrus saltator GDUJ01 underscore gi 0 gb GDUJ01054881.1 .p = UV/SWS-opsin?

Top 5 BLASTp hits

Description
PREDICTED: neuromedin-U receptor 2-like [Bemisia tabaci]
opsin, ultraviolet-sensitive-like [Halyomorpha halys]
ultraviolet-sensitive protein [Bradysia odoriphaga]
opsin, ultraviolet-sensitive-like [Ctenocephalides felis]
hypothetical protein [Apolygus durorum]

E value	Accession
2e-47	XP_018914573.1
1e-45	XP_014283879.1
2e-45	AYA44275.1
6e-45	XP_026482135.1
7e-45	KAF6207831.1

LWS opsins

Tree scale: 1