

Investigating the natural resistance of blackfoot pāua *Haliotis iris* to abalone viral ganglioneuritis using whole transcriptome analysis

Matthew J. Neave, Serge Corbeil*, Kenneth A. McColl, Mark St. J. Crane

*Corresponding author: s.corbeil@csiro.au

Diseases of Aquatic Organisms 135: 107–119 (2019)

```
>TRINITY_DN69685_c3_g2
CLNIQPLWVRDENDCMVAHQ-----GFDAEI-----VQSVRCNASQVWSKILASAC--
----VWEWDPDRDDC
>TRINITY_DN68483_c1_g1
CPMSTGNYPMIESESCVFWQC-----RNGI-----LVAAQCAGAHQFHYGERKC--
----LHG---SIVSC
>TRINITY_DN65651_c0_g1
CTTANGTAPDITDDDCQRYWSC-----LDFN-----ITLVTCPDGEAYSWFNGTC--
----VNE---SRVPC
>TRINITY_DN55908_c0_g2
CQYKQNGFL---EMGCWGYVTC-----KDG-----PFTTYCPTGQVYDRDSSTC--
----VPP-GANHVKC
>TRINITY_DN55391_c1_g1
CVGRHSTTYAH-PNACNMYIQCVSFPNQVF-----IYGHTCGLGQVYDESQSIC--
----VEQ--YNREAC
>TRINITY_DN35185_c0_g1
CTGLENGVYIY---TCFSYTEC-----VNGS-----KGVIKCASNEVFSKDGGLCIK
PTDNSWP-CQDVVDC
>TRINITY_DN60001_c0_g1
CAKNGAGLWAD-DEDCHGYYS-----TDFM-----GTRMSCGPYMAFDPETHNC--
----GY----TSEEC
>TRINITY_DN62659_c1_g1
CQGTSNGDVID-PTHCARFFKC-----NYGRV-----VARIKCPNSAFSSSKRKC--
----DWR---ANVDC
>TRINITY_DN70971_c0_g2
CYGRINDVYPS-PNSCAEYFIC-----VNGM-----AFQIKCTVGLRFNPQEKYC--
----DRA---ANVPC
>TRINITY_DN66826_c2_g6
CSSMDGLYQTF-PGDCRKYFMC-----LAGTR-----TIELVCPSGQVFNGDTRMC--
----DDP--ATTQIC
>TRINITY_DN46620_c0_g1
CGGKPDGFYAS-PYDCQEYYIC-----AGQT-----AYKTMCAEGLVFNSNTGFC--
----DWP---RNFKC
>TRINITY_DN55414_c0_g1
CPAGSIVYMRD-TTDQTKFVLC-----RASLP-----TLFFQCLPHYIYSRDP-----
-----NVHSC
>TRINITY_DN55414_c0_g2
CTPGRPSFMIH-PTDQTKFIIC-----GPTG-----VYEFQCDPHYVYDP-----
-----RFQDC
>TRINITY_DN53601_c0_g1
CQ-TQAVYAPD-PQNCAYYYLC-----PM-----AIRMLCAPGSFFDPNIKRC--
----NSK---EAVTC
```

```

>TRINITY_DN58433_c0_g1
CNKVGLGIYKD-ETSCLFHNLCPADPKGLR-----ALKMVCPKGTKFDDELKIC--
----NHA---SKIDC
>TRINITY_DN68704_c2_g5
CPPVIDGFYGD-PIYCQRFYRC----VGDK-----KYSFTCPSGTFFDNGRFIC--
----NFK--EKVSQC
>TRINITY_DN69868_c2_g10
CQ--HGEFIPH-TGDCGKFFQC----SNGL-----LHLKQCPGGLHFDSRINGC--
----NWP---QSANC
>TRINITY_DN71626_c5_g4
CPEDEAKYHAH-ATNEKRFYQC----NNGV-----AHRHQCAEGTVFDPDISVC--
----EHA--ATTAAC
>TRINITY_DN64223_c1_g1
CPKGKNTFISH-GTKSGRYHC----SNGV-----AHLHDCAPGTWFDL-----
-----SRPGC
>TRINITY_DN71456_c0_g1
CLPESSALIPH-PTNCAQYYNC----SAPK---QGYFWPEHLRECPFPQLYNVNTKQC--
----EHH---TMVEC
>TRINITY_DN68999_c0_g3
CNTTTETLIPH-PTQCAQYYNC----SAPGMKIHGYIREKNLQECFPFPQLYNPGTQRC--
----EHY---SMVTC
>TRINITY_DN68999_c0_g7
CSTTTATLIAH-STKCAQYYNC----SAPAMK---YYWEKNLQECTNPQLYNPGTQRC--
----EHY---SMVTC
>TRINITY_DN61396_c0_g1
CSTTTETLIAH-PTKCAQYYDC----NTPAME---SSWEKNLQECYPQLYNPGTQRC--
----EHF---SMVTC
>TRINITY_DN70118_c0_g2
CP-SSYGYRH-PTTCNQYVWC----VDSV-----PHLQECLGDNRFNFDIKRC--
----DVP--SKVGGC
>TRINITY_DN70118_c0_g5
CP-ESDGHFQH-ETRCDMYYWC----VAGV-----PHVSHCPPGSFFSTITNFC--
----NWP--YAVSGC

```