

Table S9 GO term enrichment for cellular component in the Australian cline for genes that overlap windows in the top 5% tail of Fst.

| 5 % Tail Cellular Component | | |
|-----------------------------|----------|--|
| GO term | q-value | description |
| GO:0005886 | 1.98E-14 | plasma membrane |
| GO:0005634 | 4.17E-11 | nucleus |
| GO:0005887 | 2.97E-08 | integral to plasma membrane |
| GO:0016021 | 2.72E-06 | integral to membrane |
| GO:0016324 | 2.27E-04 | apical plasma membrane |
| GO:0005913 | 3.46E-04 | cell-cell adherens junction |
| GO:0045211 | 6.54E-04 | postsynaptic membrane |
| GO:0035003 | 8.56E-04 | subapical complex |
| GO:0005912 | 8.62E-04 | adherens junction |
| GO:0005918 | 1.31E-03 | septate junction |
| GO:0005737 | 1.76E-03 | cytoplasm |
| GO:0045179 | 2.09E-03 | apical cortex |
| GO:0005892 | 2.41E-03 | nicotinic acetylcholine-gated receptor-channel complex |
| GO:0043195 | 2.41E-03 | terminal button |
| GO:0016459 | 2.41E-03 | myosin complex |
| GO:0005622 | 2.41E-03 | intracellular |
| GO:0045202 | 2.41E-03 | synapse |
| GO:0016323 | 2.41E-03 | basolateral plasma membrane |
| GO:0008076 | 2.41E-03 | voltage-gated potassium channel complex |
| GO:0016327 | 3.14E-03 | apicolateral plasma membrane |
| GO:0005875 | 3.83E-03 | microtubule associated complex |
| GO:0016020 | 4.18E-03 | membrane |
| GO:0009986 | 4.52E-03 | cell surface |
| GO:0008021 | 5.40E-03 | synaptic vesicle |
| GO:0005578 | 6.13E-03 | proteinaceous extracellular matrix |
| GO:0005604 | 8.43E-03 | basement membrane |
| GO:0005938 | 8.74E-03 | cell cortex |
| GO:0043190 | 1.26E-02 | ATP-binding cassette (ABC) transporter complex |
| GO:0043025 | 1.36E-02 | cell soma |
| GO:0005705 | 1.36E-02 | polytene chromosome interband |
| GO:0030425 | 3.37E-02 | dendrite |
| GO:0015629 | 3.37E-02 | actin cytoskeleton |
| GO:0005667 | 3.98E-02 | transcription factor complex |