

Table S1 GO term enrichment for biological process in the Australian cline for genes that overlap windows in the top 1% tail of Fst.

GO term	1 % Tail Biological Process	
	q-value	description
GO:0008355	4.99E-06	olfactory learning
GO:0007611	9.11E-06	learning or memory
GO:0001738	9.68E-05	morphogenesis of a polarized epithelium
GO:0007156	9.68E-05	homophilic cell adhesion
GO:0008285	9.68E-05	negative regulation of cell proliferation
GO:0007165	9.68E-05	signal transduction
GO:0007306	1.74E-04	eggshell chorion assembly
GO:0007507	2.37E-04	heart development
GO:0007427	2.68E-04	epithelial cell migration, open tracheal system
GO:0051276	3.00E-04	chromosome organization
GO:0008104	3.08E-04	protein localization
GO:0017148	3.71E-04	negative regulation of translation
GO:0007623	4.62E-04	circadian rhythm
GO:0007155	6.08E-04	cell adhesion
GO:0006811	6.12E-04	ion transport
GO:0002009	7.72E-04	morphogenesis of an epithelium
GO:0007424	8.38E-04	open tracheal system development
GO:0048477	9.93E-04	oogenesis
GO:0007391	1.23E-03	dorsal closure
GO:0007435	1.23E-03	salivary gland morphogenesis
GO:0045475	1.36E-03	locomotor rhythm
GO:0006355	1.37E-03	regulation of transcription, DNA-dependent
GO:0007275	1.37E-03	multicellular organismal development
GO:0006468	1.73E-03	protein amino acid phosphorylation
GO:0007476	4.39E-03	imaginal disc-derived wing morphogenesis
GO:0002121	6.46E-03	inter-male aggressive behavior
GO:0006813	6.60E-03	potassium ion transport
GO:0048749	9.21E-03	compound eye development
GO:0045449	1.17E-02	regulation of transcription
GO:0007411	1.24E-02	axon guidance
GO:0016319	1.38E-02	mushroom body development
GO:0007298	1.40E-02	border follicle cell migration
GO:0001700	1.87E-02	embryonic development via the syncytial blastoderm
GO:0007015	2.28E-02	actin filament organization
GO:0001745	2.73E-02	compound eye morphogenesis
GO:0006814	2.94E-02	sodium ion transport
GO:0008360	4.19E-02	regulation of cell shape
GO:0055085	4.19E-02	transmembrane transport
GO:0007269	4.73E-02	neurotransmitter secretion
GO:0016192	4.95E-02	vesicle-mediated transport