

**S10 Table. Closest genes to SNPs most strongly associated with colour pattern traits.**  
Shading indicates the best candidate gene(s) with the most nearby associated SNPs.

Trait Association	Gene	Nearby SNPs	Description	e-Value
A	gene015410	3	transmembrane and TPR repeat-containing protein CG4341-like	9.58843E-151
A	gene015308	2	pheromone biosynthesis-activating neuropeptide receptor isoform B	1.0891E-33
A	gene003441	1	putative Calnexin	0
A	gene003471	1	transcriptional enhancer factor TEF-1 like protein	0
A	gene005973	1	serine protease 5	1.9592E-154
A	gene006029	1	hypothetical protein KGM_208582	0
A	gene006044	1	REPAT32 protein	1.8188E-28
A	gene006082	1	uncharacterized protein LOC113497409	1.74006E-133
A	gene013049	1	hypothetical protein KGM_211895	2.11066E-34
A	gene013615	1	splicing factor proline- and glutamine-rich	0
A	gene015600	1	cuticle protein	4.02653E-118
B	gene001666	4	yellow	0
B	gene001484	1	hypothetical protein KGM_206584	1.96903E-104
B	gene003564	1	amino acid transporter	0
B	gene005522	1	serine protease inhibitor 33 precursor	0
B	gene009383	1	UDP-glycosyltransferase UGT33J1	0
B	gene009488	1	Ecdysteroid UDP-glucosyltransferase	4.26885E-143
B	gene009489	1	UDP-glycosyltransferase UGT33F1	0
B	gene009492	1	UDP-glycosyltransferase UGT33F1	0
B	gene009493	1	UDP-glycosyltransferase UGT33F1	0
B	gene009511	1	uncharacterized protein LOC112045604	0
B	gene013199	1	hypothetical protein KGM_206574	5.47109E-67
B	gene013913	1	putative structural maintenance of chromosomes 5 smc5	0
B	gene013915	1	hemolymph proteinase 24	1.29126E-164
C	gene000403	2	low-density lipoprotein receptor-related protein 6 (arrow)	0
C	gene001633	2	hemolin-interacting protein	1.23689E-84
C	gene001631	1	hypothetical protein KGM_211925	1.56351E-117
C	gene003274	1	hypothetical protein KGM_200756	1.70394E-09
C	gene003458	1	ribosomal protein L27A	4.35329E-76
C	gene003477	1	hypothetical protein KGM_205676	0
C	gene003558	1	tetraspanin-9 like protein	5.36757E-139
C	gene011502	1	trypsin protein precursor	1.43537E-173
C	gene011692	1	uncharacterized protein LOC113397363	2.12478E-66
C	gene011696	1	hypothetical protein KGM_200711	0
C	gene013034	1	orexin receptor type 1-like	6.6138E-138