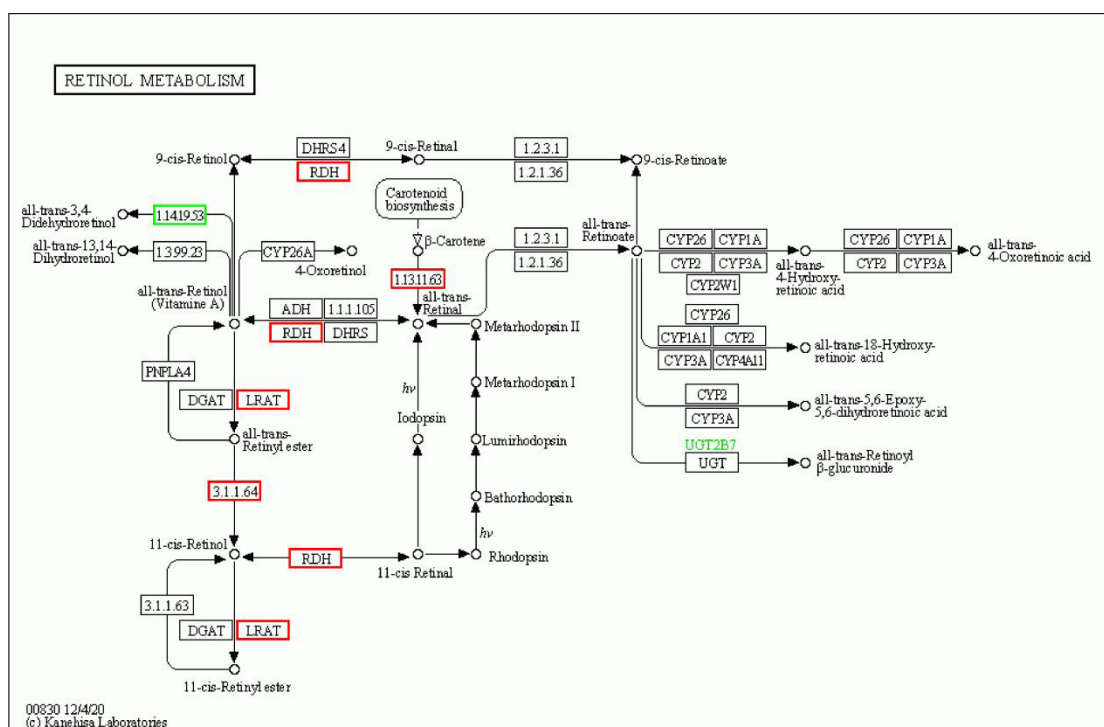
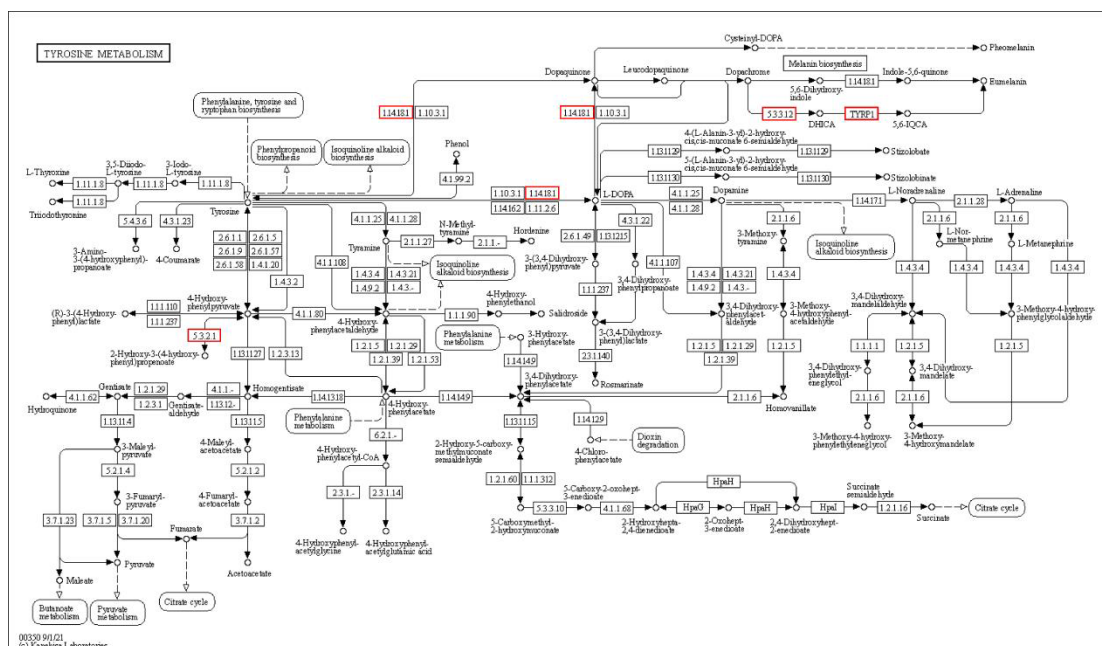


Table S1. Primer sequences in this study.

Gene name	primer sequence (5'-3')	GenBank accession number
MITF	F: CTCGCCGTTGTAGTCTCTCC R: GTTGAGGTCCAGAGTGGTGG	XM_058778880.1
PEML	F: CTGAGAGCCCCATCCACCTA R: AGGCGTGGGTGGGATAGTTT	XM_016290998.1
Tyrp1	F: GGTGCGACGTAATGTCATGC R: CTGGGCTGGACCCATGTAAG	XM_058779617.1
GPR143	F: GACACGCTCCTCCACACAAA R: TGCTGTTTCCAGCGGAGAT	XM_058786580.1
SLC45a2	F: ACTCTGCTATGCCGTTGAGG R: ACGATCGCCCATGTCCTTTT	XM_058758579.1
SLC24a5	F: GCCATTCTGCTGCAAATCCTG R: CGCTGATGAGCTCCAGAGAC	XM_058751641.1
BCO1	F: CCACCTTTGAAAAGCGCTGA R: AATCAGGGTGCTGTCTTCGG	XM_058782192.1
LRAT	F: AGACAGGCGGAAGGAAAAC R: CCAAAGAGTCCACACGGACA	XM_058756332.1
Rpe65c	F: AAACATGGCCAGAGGAGAGC R: GGTTCAAGCCAAACGGTTCC	XM_016291520.1
MYLK4	F: CCAACATCTGGAGAACGGCG R: TCTGCGTCTTTCATCTCGTCTT	XM_058799423.1
KIF1a	F: CAGAGGCAGGTCAACTCCAG R: GCCAGTTCTGTCTCTCGCTT	XM_058749442.1
Rab27a	F:AAACTTCTCCTCAGTCGGTTTG R: ACCGCTGGATTTGTACACCA	XM_058752433.1
eEF1a	F:ACACAGACTTGGACTGTGCC R: GTAGCTTCACTGCTCGGGAC	XM_058762838.1



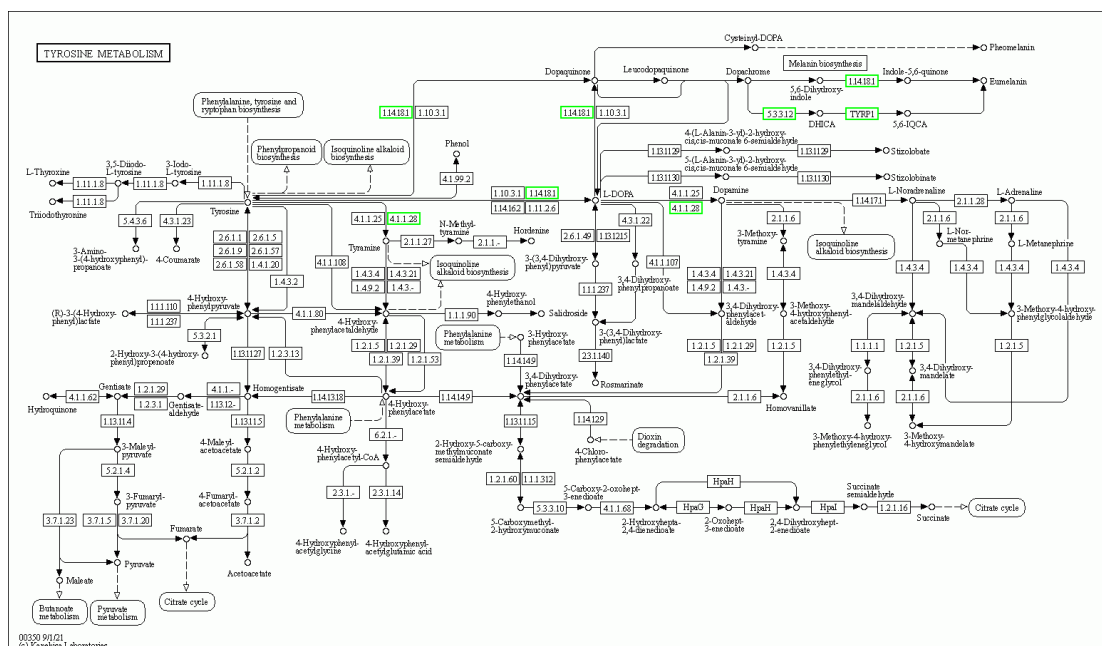


Fig. S3. Tyrosine metabolism (KO: 00350) in the proteome

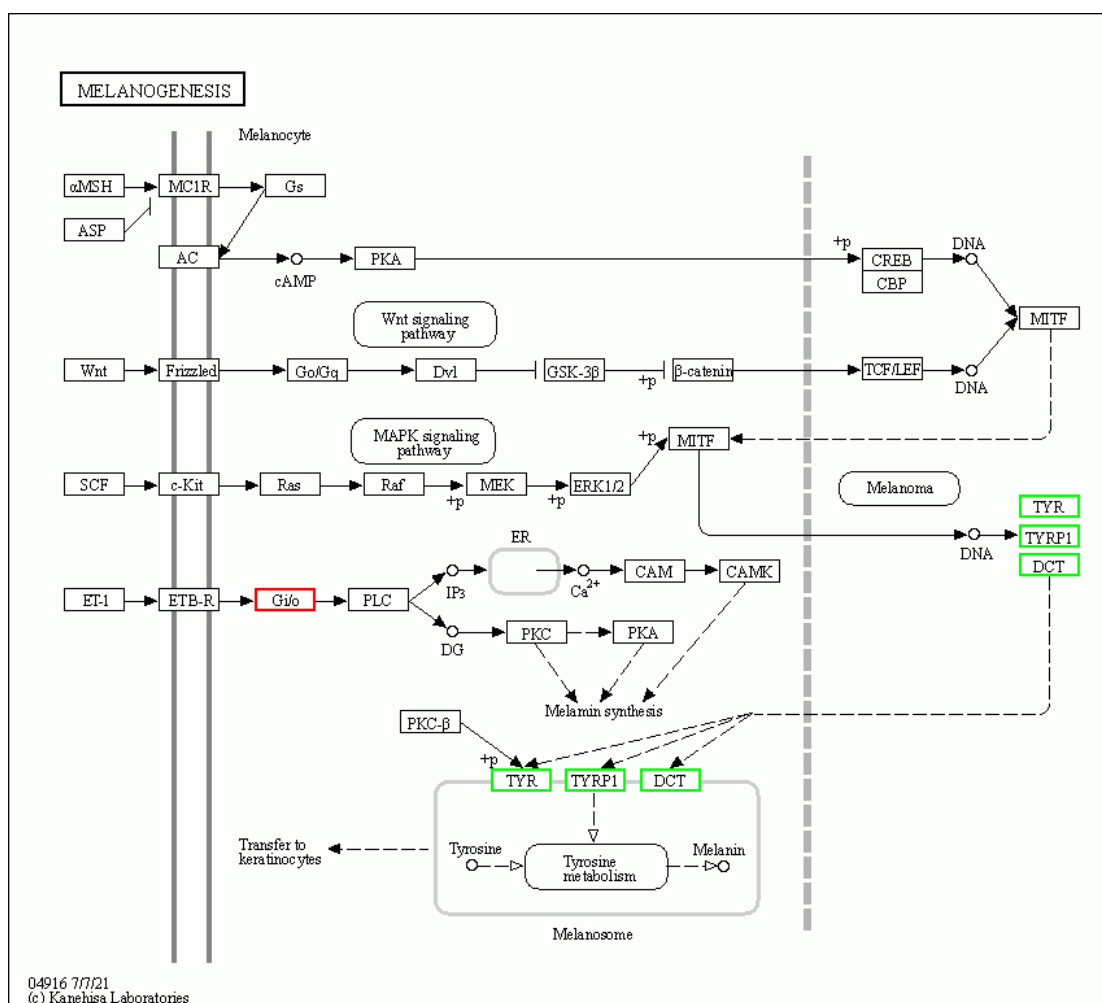


Fig. S4. Melanogenesis (KO: 04916) in the proteome