

Table S1- List of differentially expressed genes between conspecific-exposed and heterospecific-exposed female *X. birchmanni*.

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Table S2 - Biological process gene ontology results for conspecific-exposed versus heterospecific-exposed female *X. birchmanni*. Gene List column refers to the list of genes to which a given row applies (DE = list of differentially expressed genes between B-EXP and M-EXP, UP = list of genes significantly upregulated in B-EXP, DOWN = list of genes significantly downregulated in B-EXP, SDMN = list of genes assigned to SDMN/stress module, vision = list of genes assigned to vision module, olfaction = list of genes assigned to olfaction module)

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Table S3- List of overlapping genes found to be differentially expressed in both the current study and in *X. malinche* exposed to conspecific vs. heterospecific adults.

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Table S4 - List of genes related to social decision-making, stress-coping, mate choice and olfaction, including log 2 fold changes between B-EXP and M-EXP female *X. birchmanni*. Highlighted colors over gene names/Ensembl ID's represent the color module assigned to a given gene (see keys at bottom of table). Tables are further subdivided according to functional roles. Genes significantly differentially expressed between B-EXP and M-EXP females according to DESeq2 after adjustment for multiple comparisons ($p \text{ adj} < 0.1$) are italicized.

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Table S5 - Full list of genes assigned to the SDMN/stress, vision, and olfaction modules comparing conspecific-exposed and heterospecific-exposed female *X. birchmani* gene expression profiles.

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Table S6 - NetworkAnalyzer summary results describing connectivity measures among: 1) the 500 most central genes across the three modules differentially regulated between B-EXP and M-EXP females (salmon rows), and 2) all genes showing a direct connection with an odorant receptor gene (based on 0.02 weighted cutoff in Cytoscape) across the three modules (light blue rows). Column "SDMN?" refers to genes within the SDMN/stress-coping gene list in Table S5

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