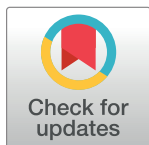


CORRECTION

Correction: Transcriptional profiling of Toll-like receptor 2-deficient primary murine brain cells during *Toxoplasma gondii* infection

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The [Fig 3E and 3F](#) and [Fig 4E and 4F](#) are swapped in the [Fig 3](#) and [Fig 4](#). The current [Fig 3E and 3F](#) should be [Fig 4E and 4F](#) and vice versa. Please see the correct [Fig 3](#) and [Fig 4](#) here.



OPEN ACCESS

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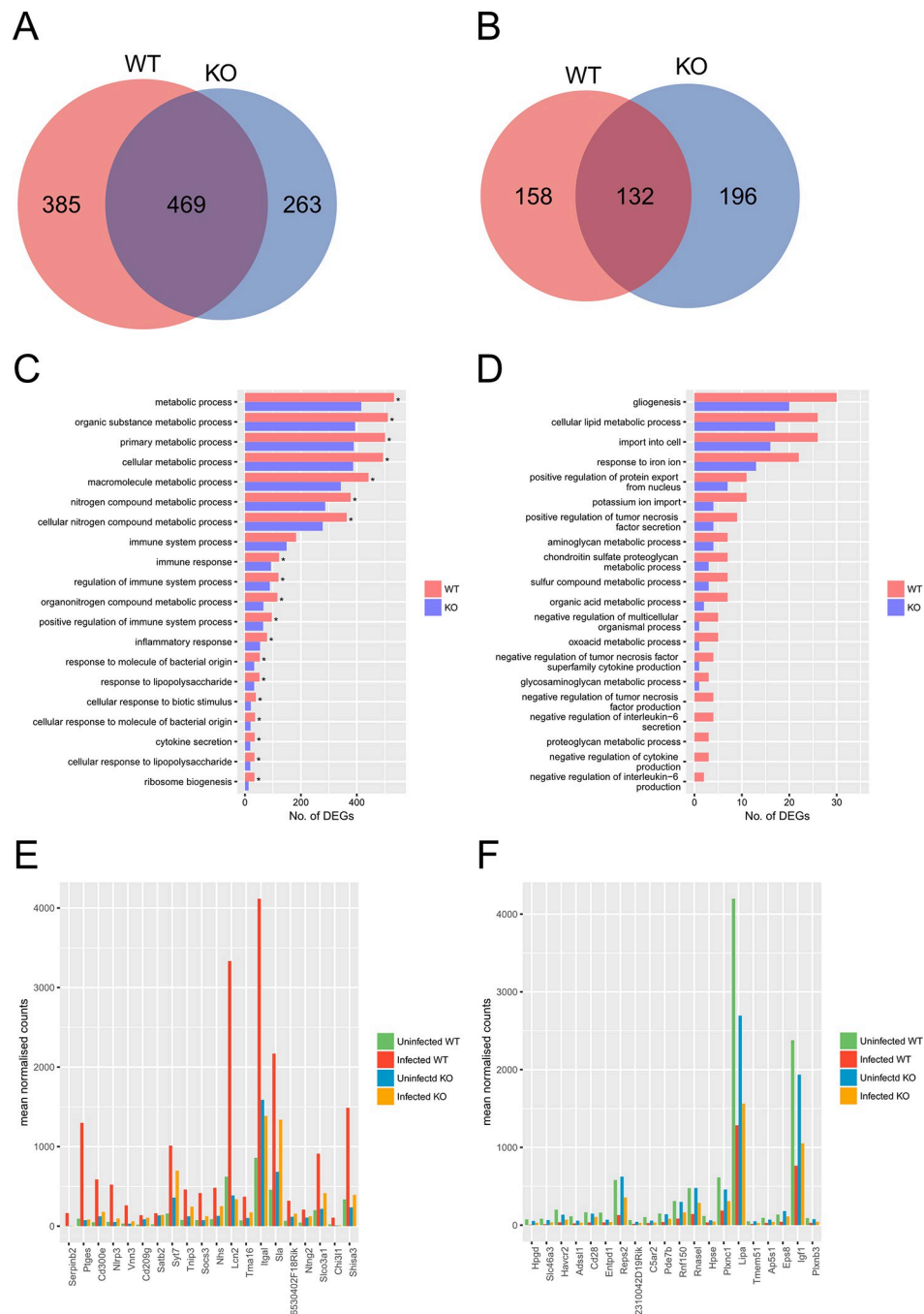


Fig 3. Comparison of transcriptional profiles of *Tlr2*^{-/-} and wild-type neurons during *T. gondii* infection. Upregulated (A, C, E) and downregulated (B, D, F) genes were identified as genes with 2-fold change and < 0.05 FDR in DESeq analysis comparing infected and uninfected cells. (A, B) Venn diagrams comparing DEGs with increased and decreased abundance between *Tlr2*^{-/-} and wild-type neurons. (C, D) To explore the function of DEGs analyzed in the Venn diagram, GO term enrichment analysis was performed. Asterisks represent significant differences with $p < 0.05$ in Fisher's exact test. (E, F) Expression of top 20 genes highly upregulated or downregulated in a TLR2-dependent manner. TLR2-dependent DEGs were ranked according to fold-changes between infected and uninfected wild-type. WT, wild-type; KO, *Tlr2*^{-/-}.

<https://doi.org/10.1371/journal.pone.0303453.g001>

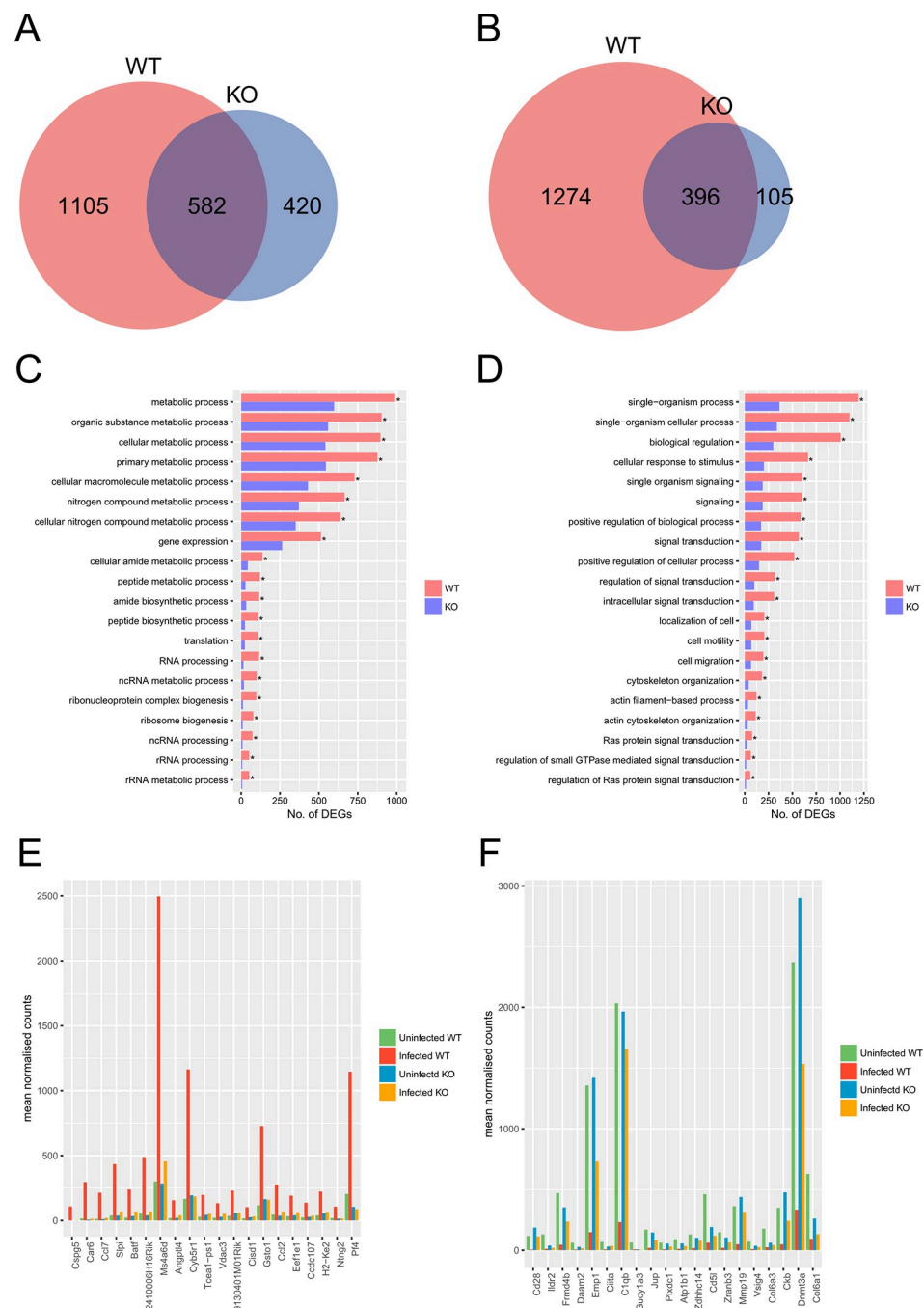


Fig 4. Comparison of transcriptional profiles of *Tlr2*^{-/-} and wild-type macrophages during *T. gondii* infection. Upregulated (A, C, E) and downregulated (B, D, F) genes were identified as genes with 2-fold change and < 0.05 FDR in DESeq analysis comparing infected and uninfected cells. (A, B) Venn diagrams comparing DEGs with increased and decreased abundance between *Tlr2*^{-/-} and wild-type macrophages. (C, D) To explore the function of DEGs analyzed in the Venn diagram, GO term enrichment analysis was performed. Asterisks represent significant differences with *p* < 0.05 in Fisher's exact test. (E, F) Expression of top 20 highly upregulated or downregulated TLR2-dependent genes. TLR2-dependent DEGs were ranked according to fold-changes between infected and uninfected wild-type. WT, wild-type; KO, *Tlr2*^{-/-}.

<https://doi.org/10.1371/journal.pone.0303453.g002>

Reference

1. Umeda K, Tanaka S, Ihara F, Yamagishi J, Suzuki Y, Nishikawa Y (2017) Transcriptional profiling of Toll-like receptor 2-deficient primary murine brain cells during *Toxoplasma gondii* infection. PLoS ONE 12(11): e0187703. <https://doi.org/10.1371/journal.pone.0187703>