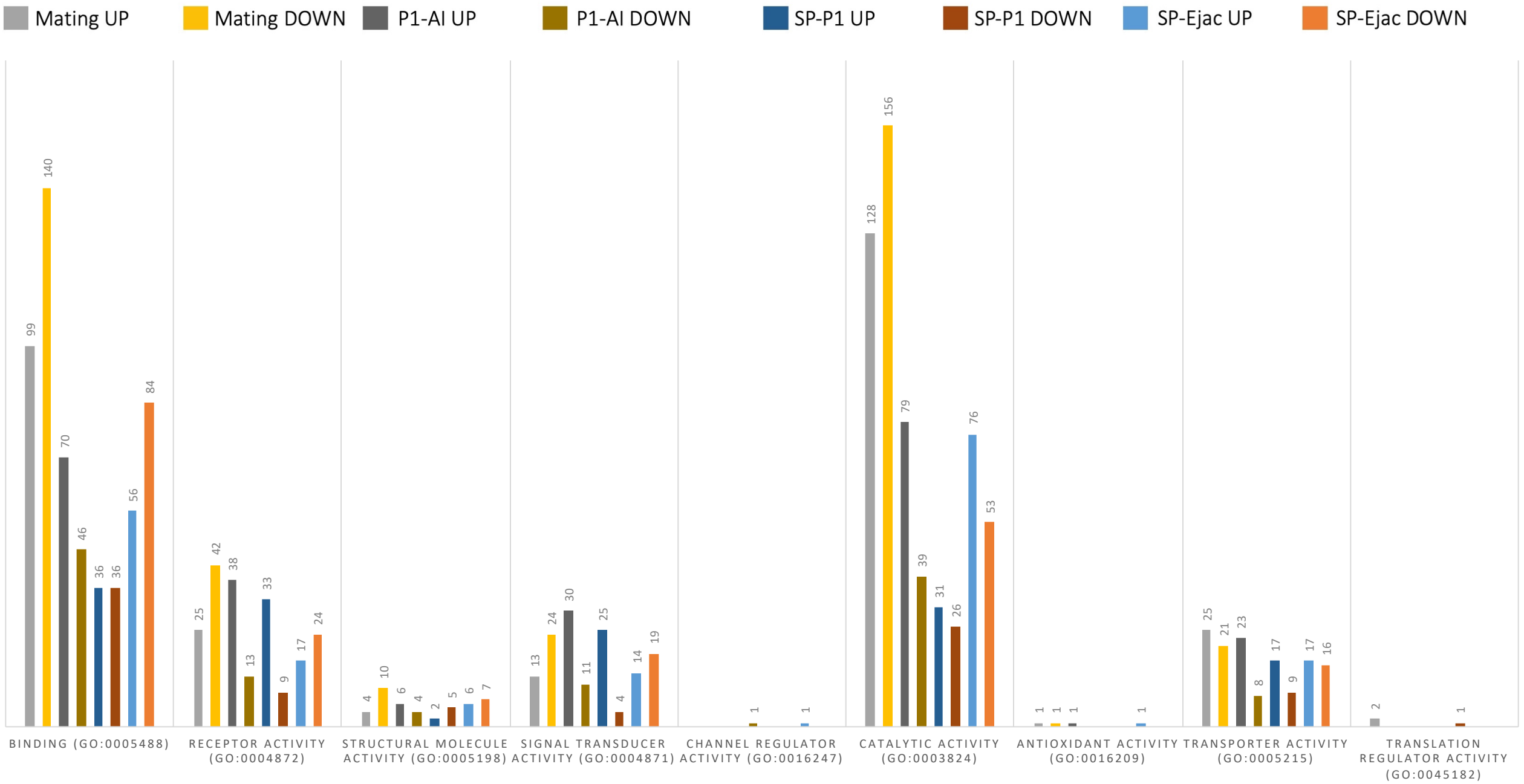
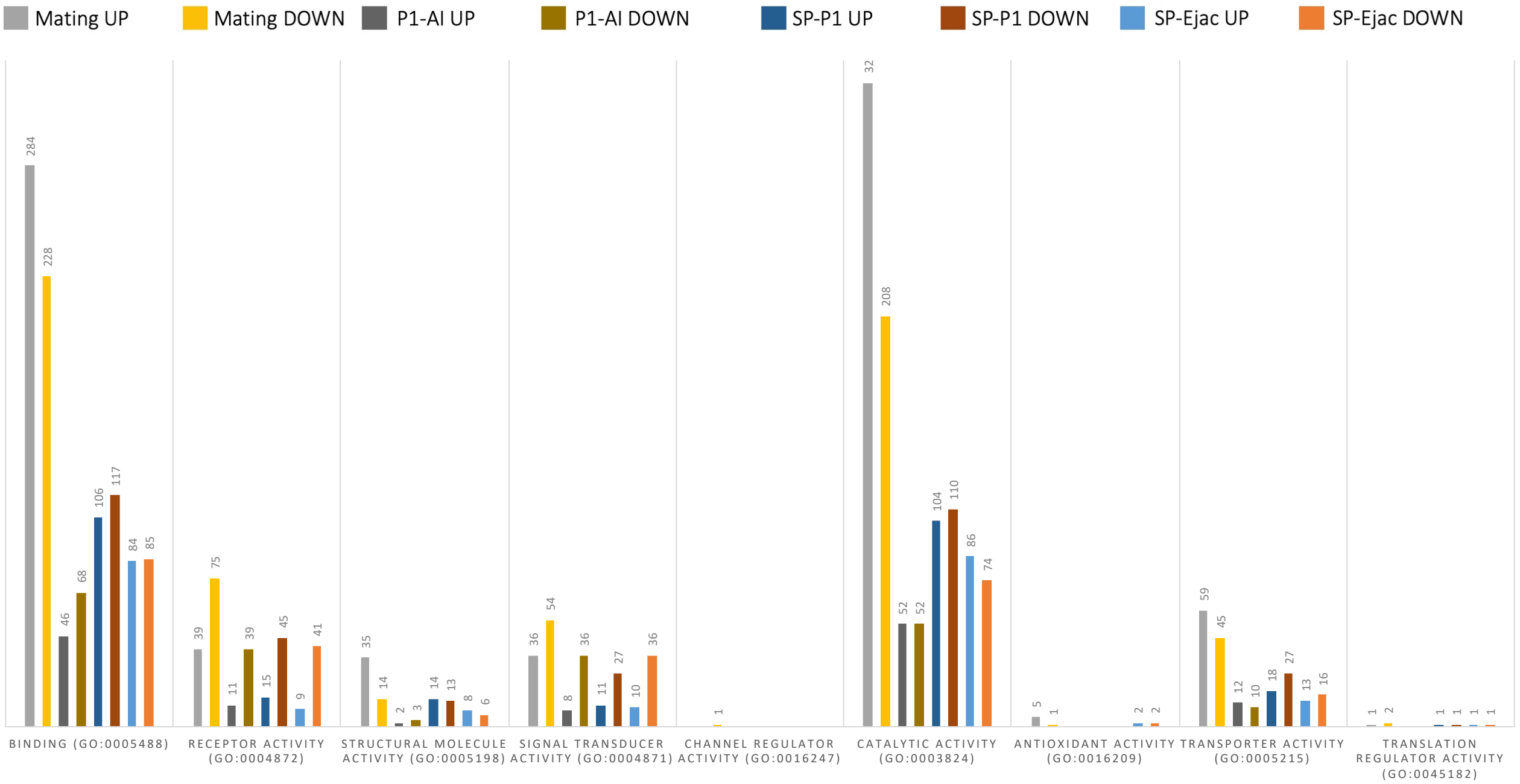
Supplementary Figure 1-14.

Differential expression (up- and down-regulation) of annotated genes in the mucosa of the internal genital tract of sows after Mating or artificial deposition of the sperm-peak portion P1 (P1-AI); sperm-free seminal plasma of the whole ejaculate (SP-Ejac) or of pooled P1 (SP-P1), **classified in molecular function (Fig 1 to 7) and biological function (Fig 8 to 14).** All treatments were compared to Control (AI with 50 mL of BTS). The numbers represent the number of differentially expressed genes (p-value < 0.05). Endocervix (EndoCvx), endometrium (distal: DistEndom or proximal: ProxEndom) and endosalpinx from 4 different segments; the utero-tubal junction (UTJ), isthmus (Isth), ampulla (Amp) and infundibulum (Inf).

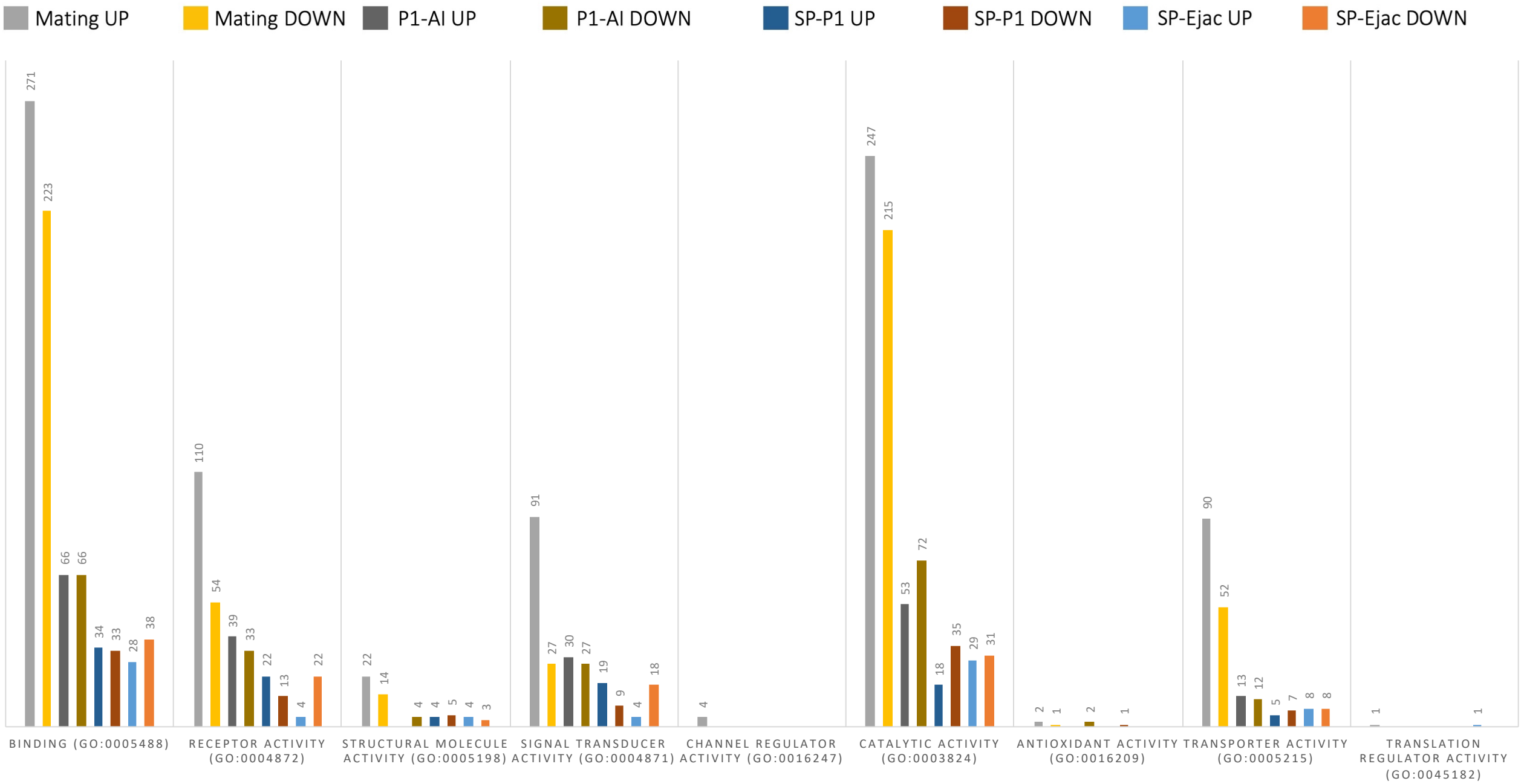
Supplementary Figure 1. Molecular function in EndoCvx



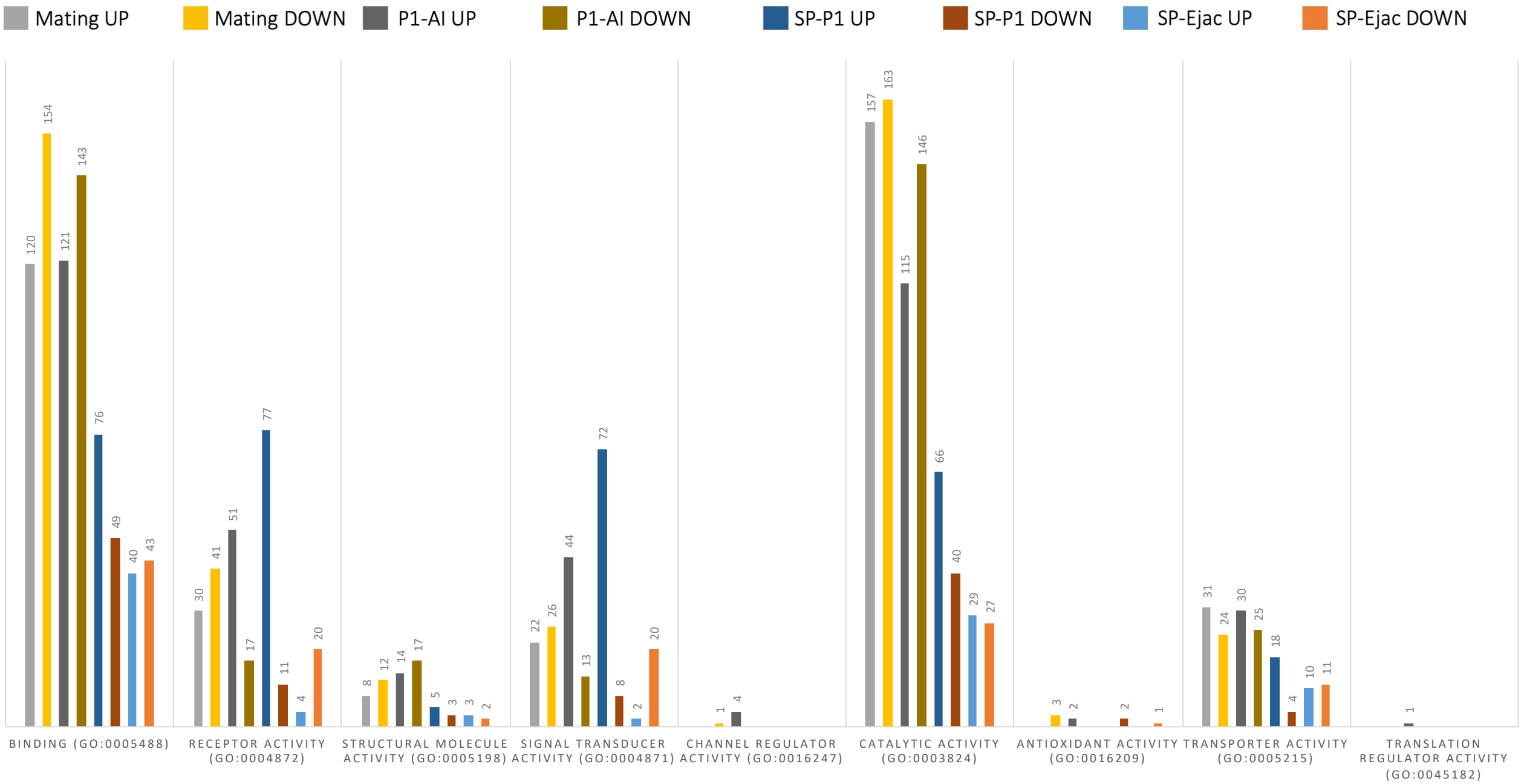
Supplementary Figure 2. Molecular function in DistEndom



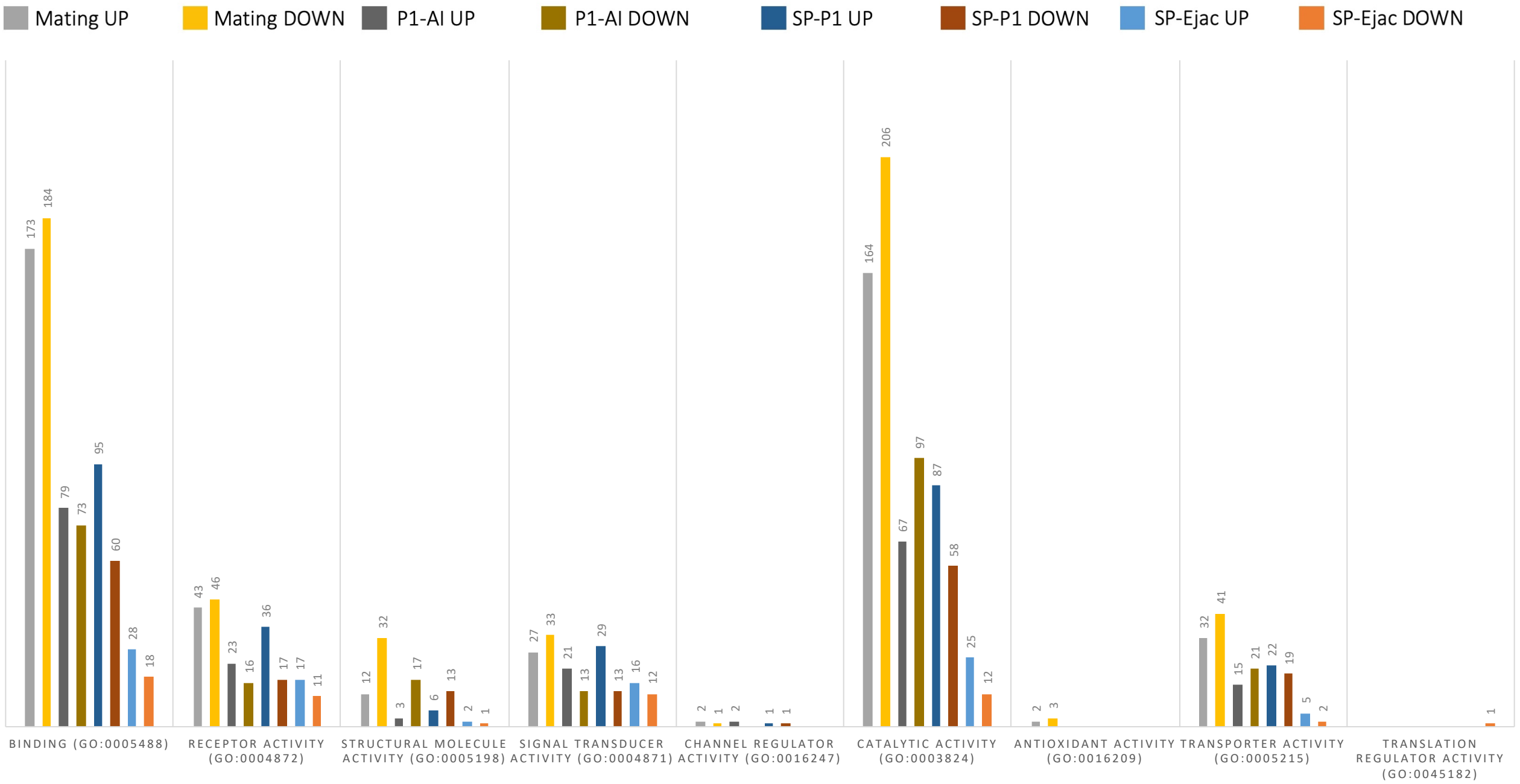
Supplementary Figure 3. Molecular function in ProxEndom



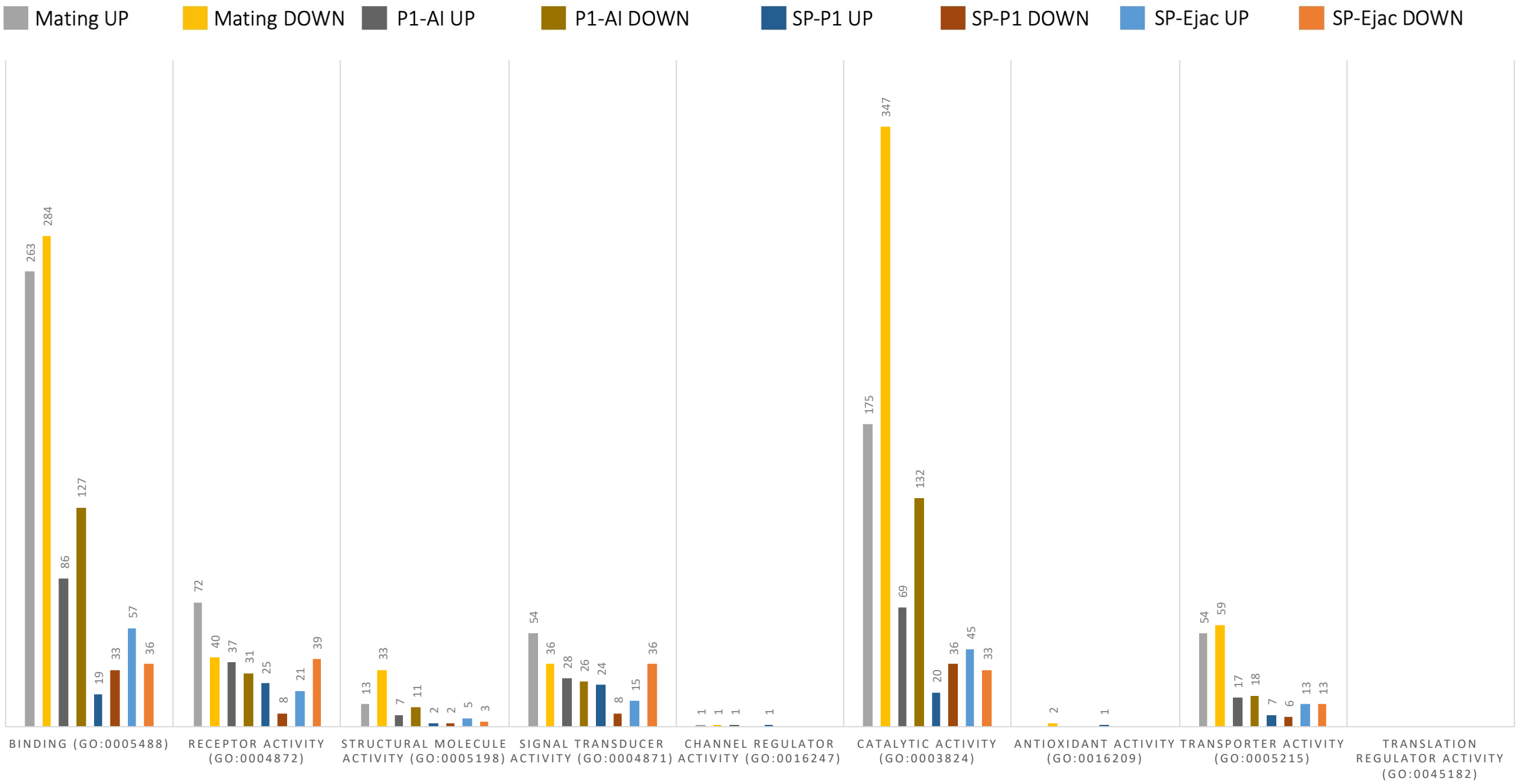
Supplementary Figure 4. Molecular function in UTJ



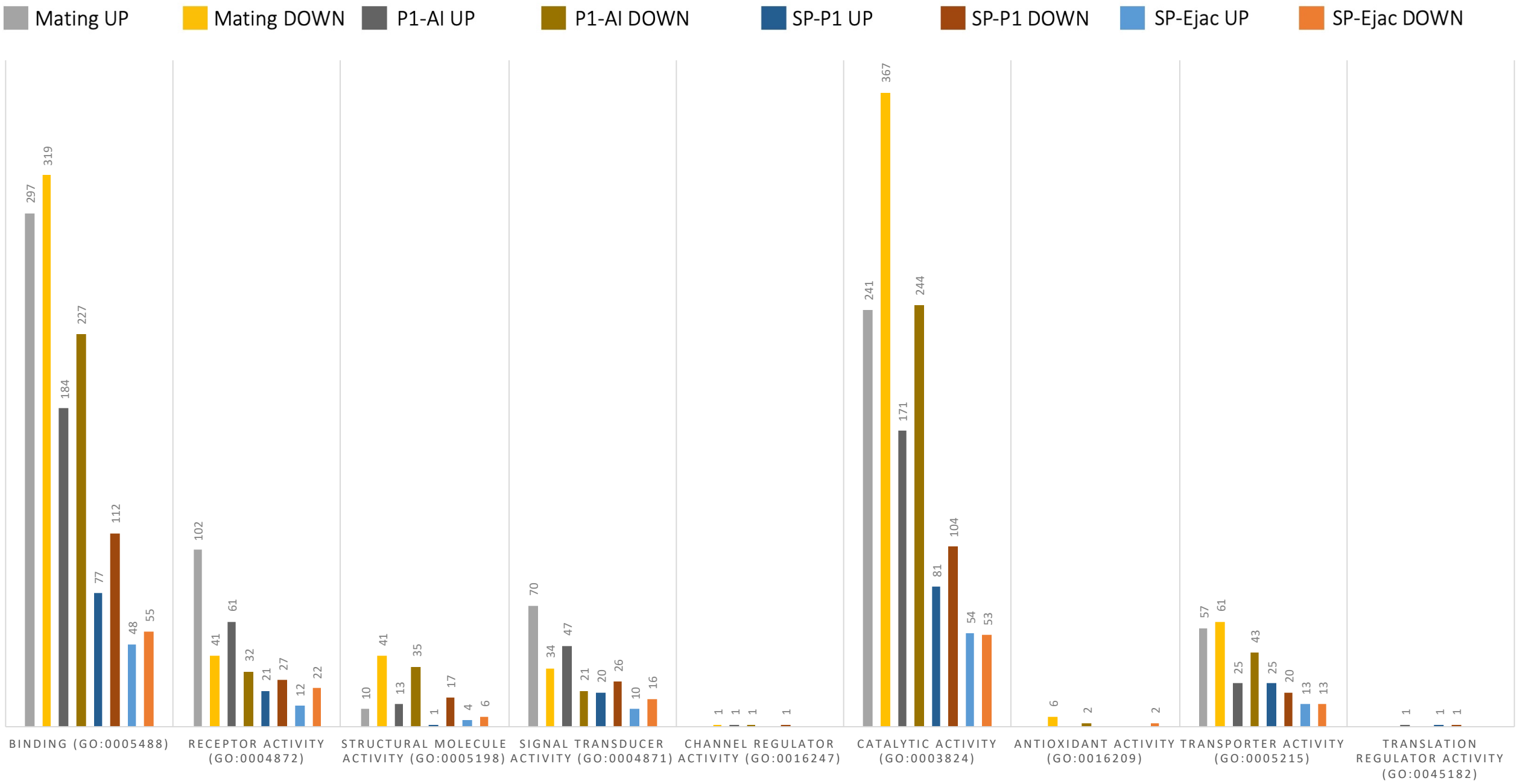
Supplementary Figure 5. Molecular function in Isth



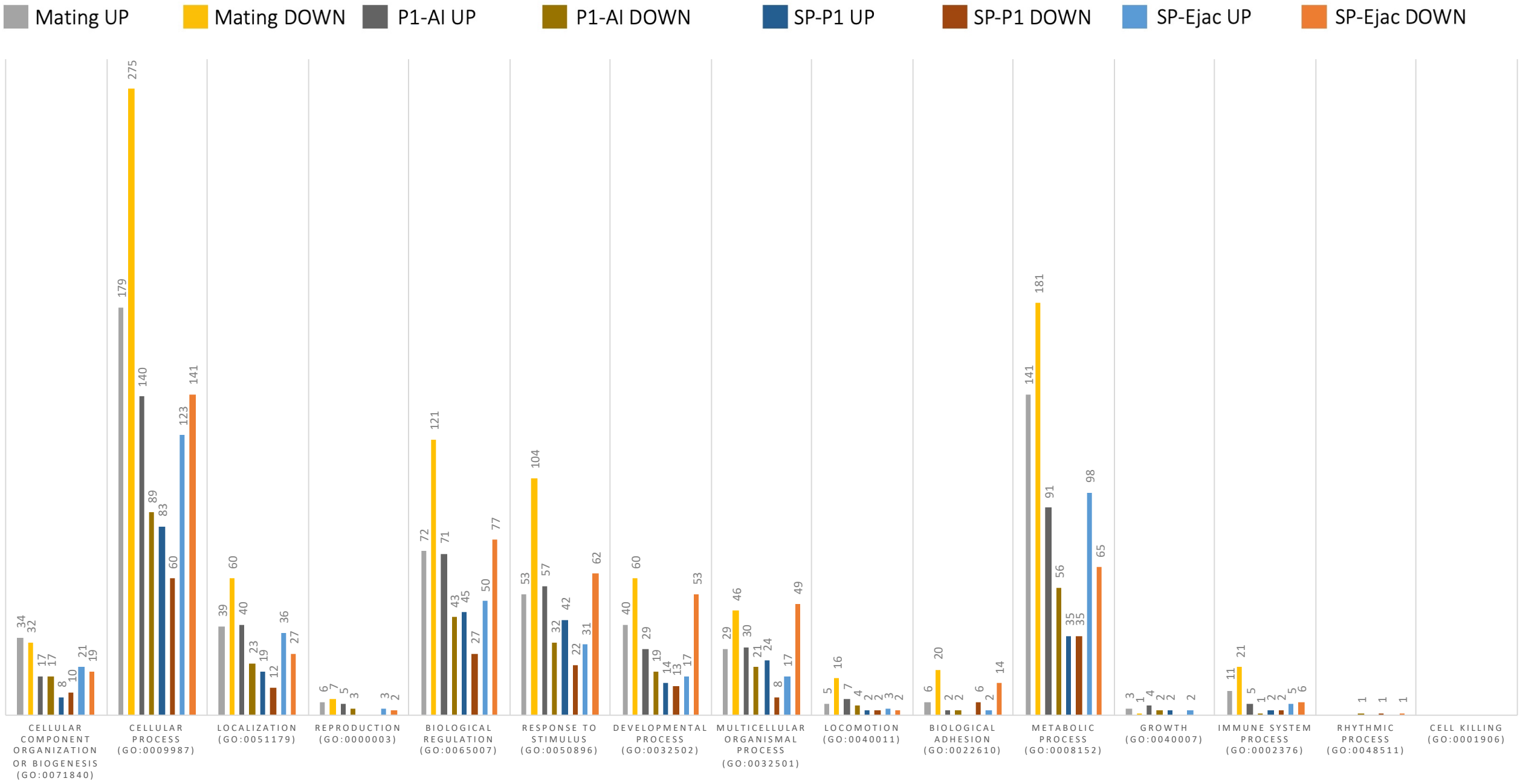
Supplementary Figure 6. Molecular function in Amp



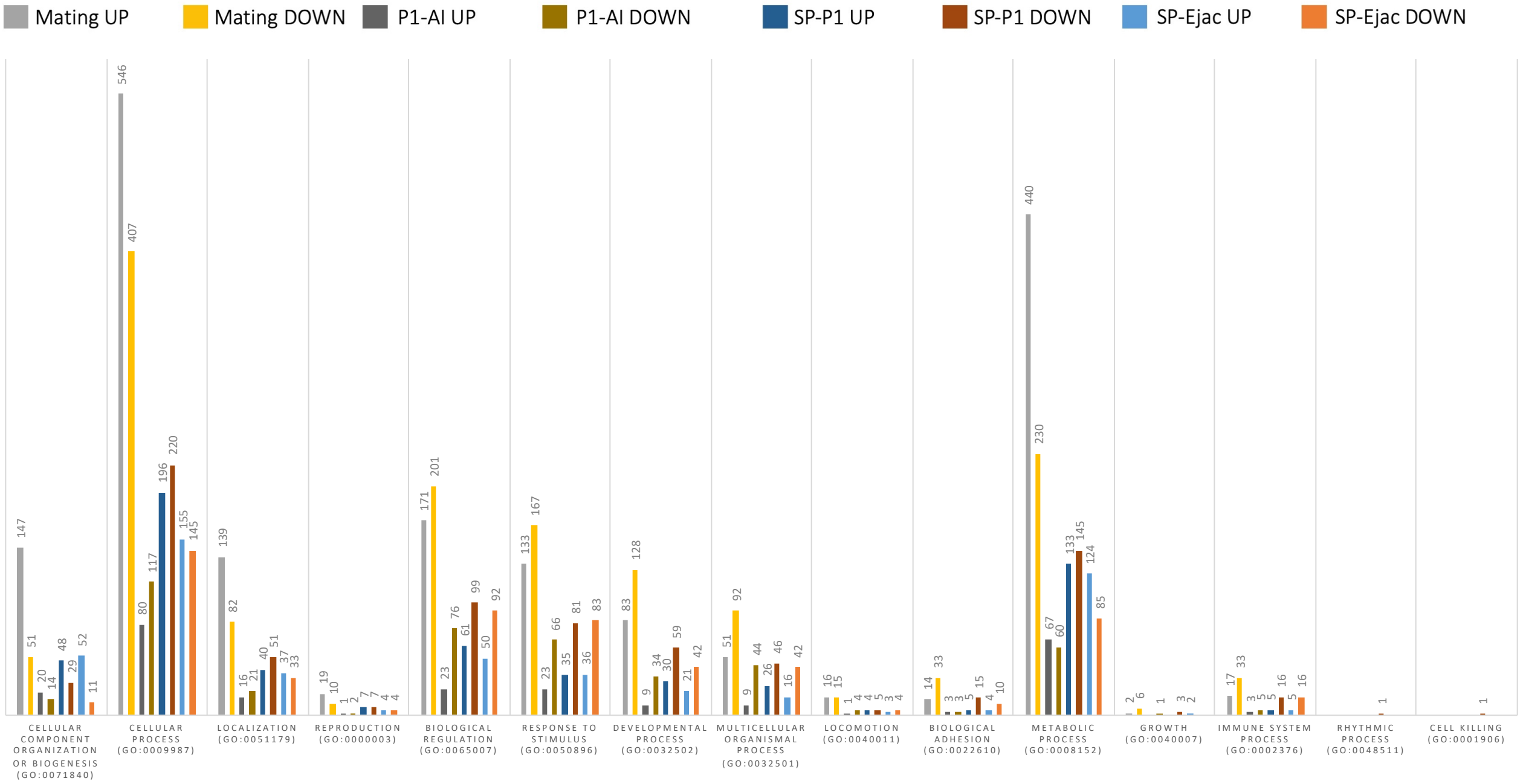
Supplementary Figure 7. Molecular function in Inf



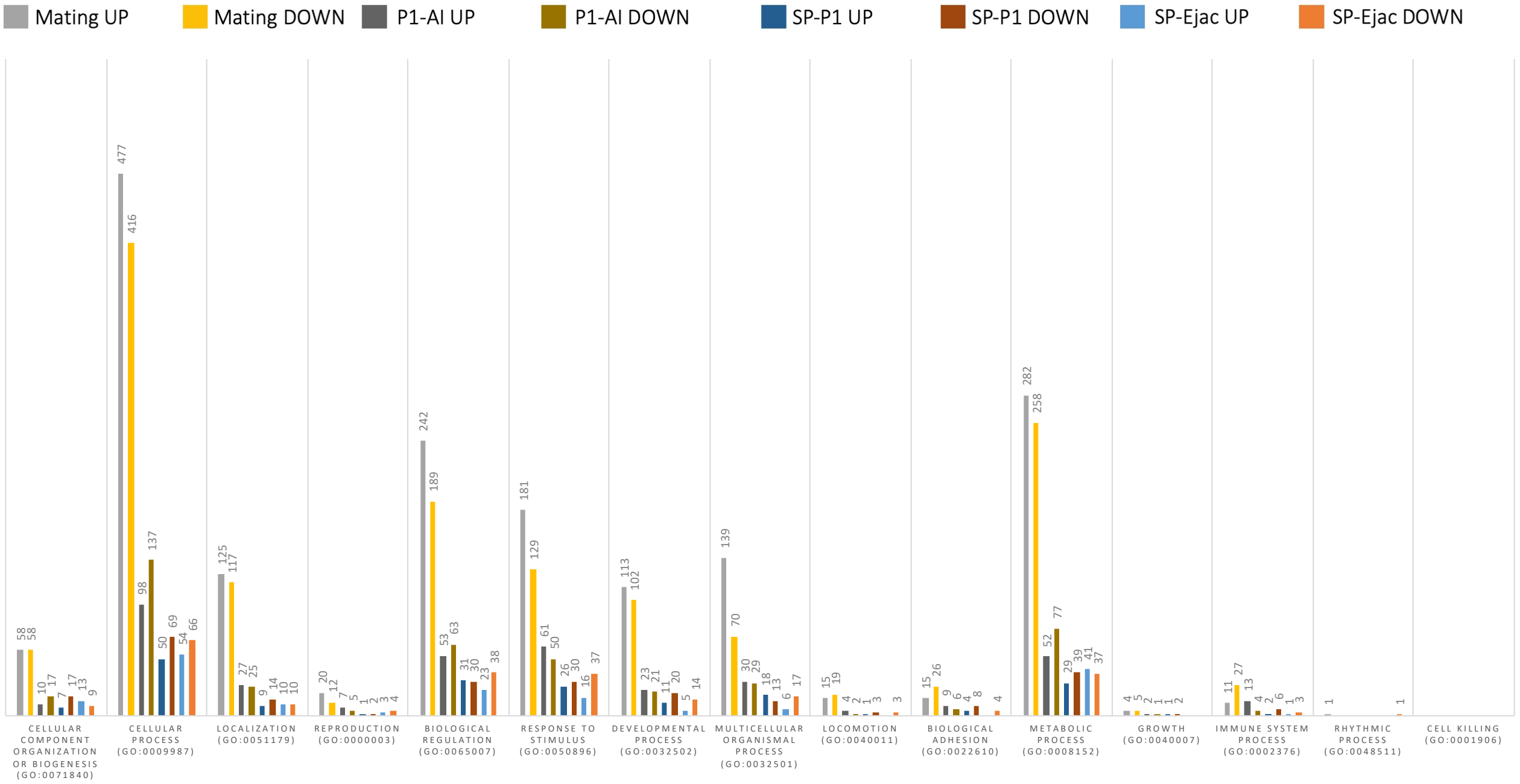
Supplementary Figure 8. Biological process in EndoCvx



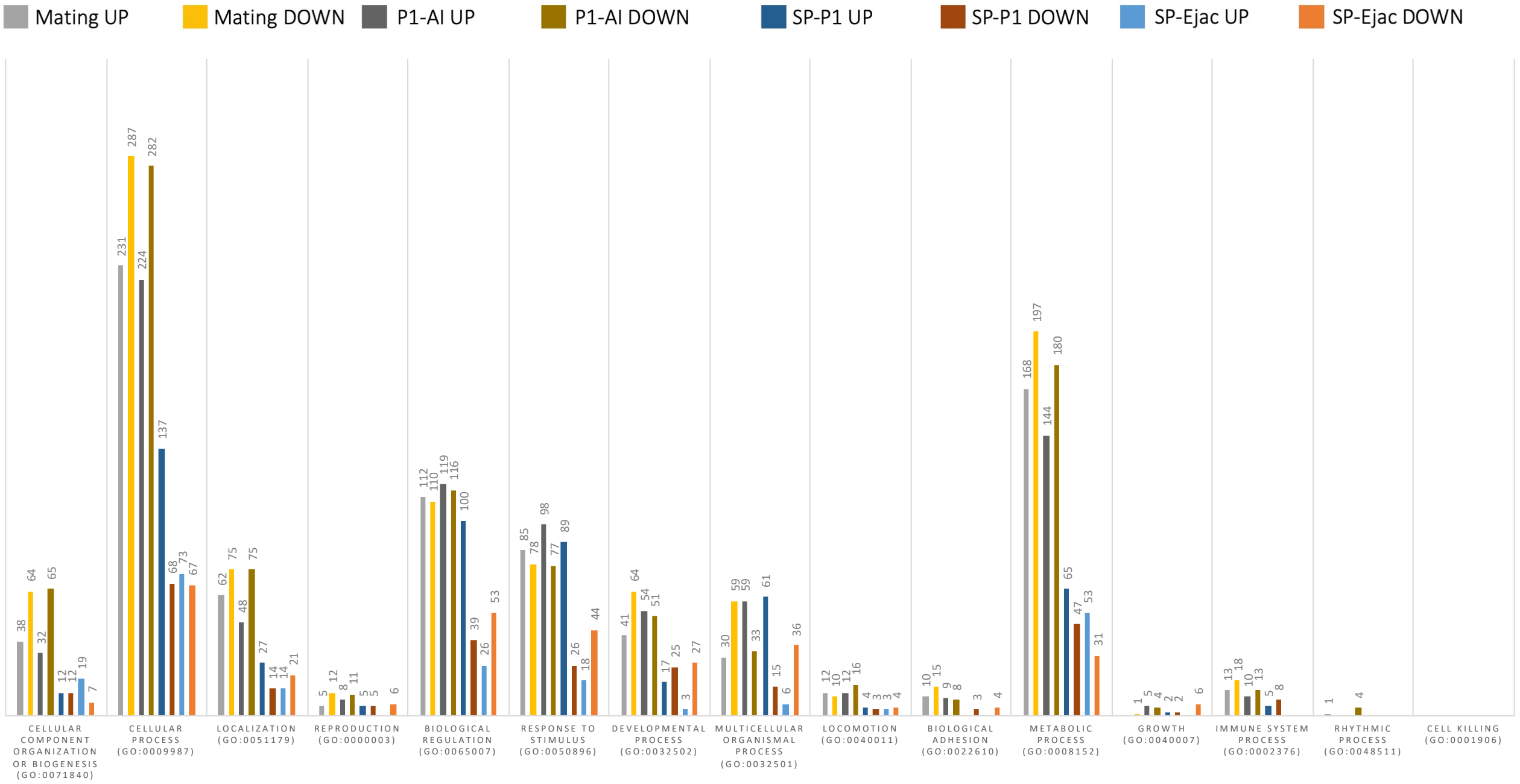
Supplementary Figure 9. Biological process in DistEndom



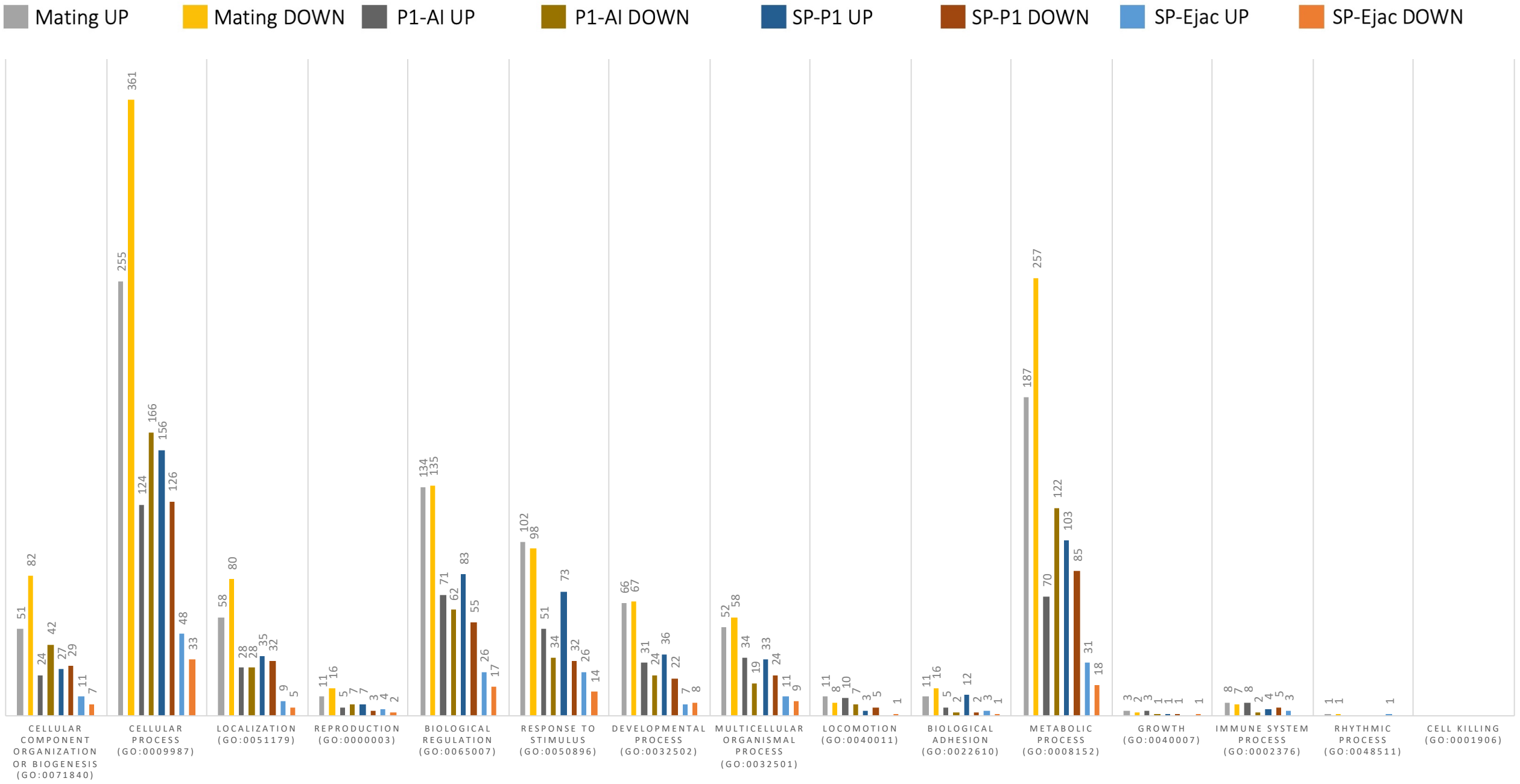
Supplementary Figure 10. Biological process in ProxEndom



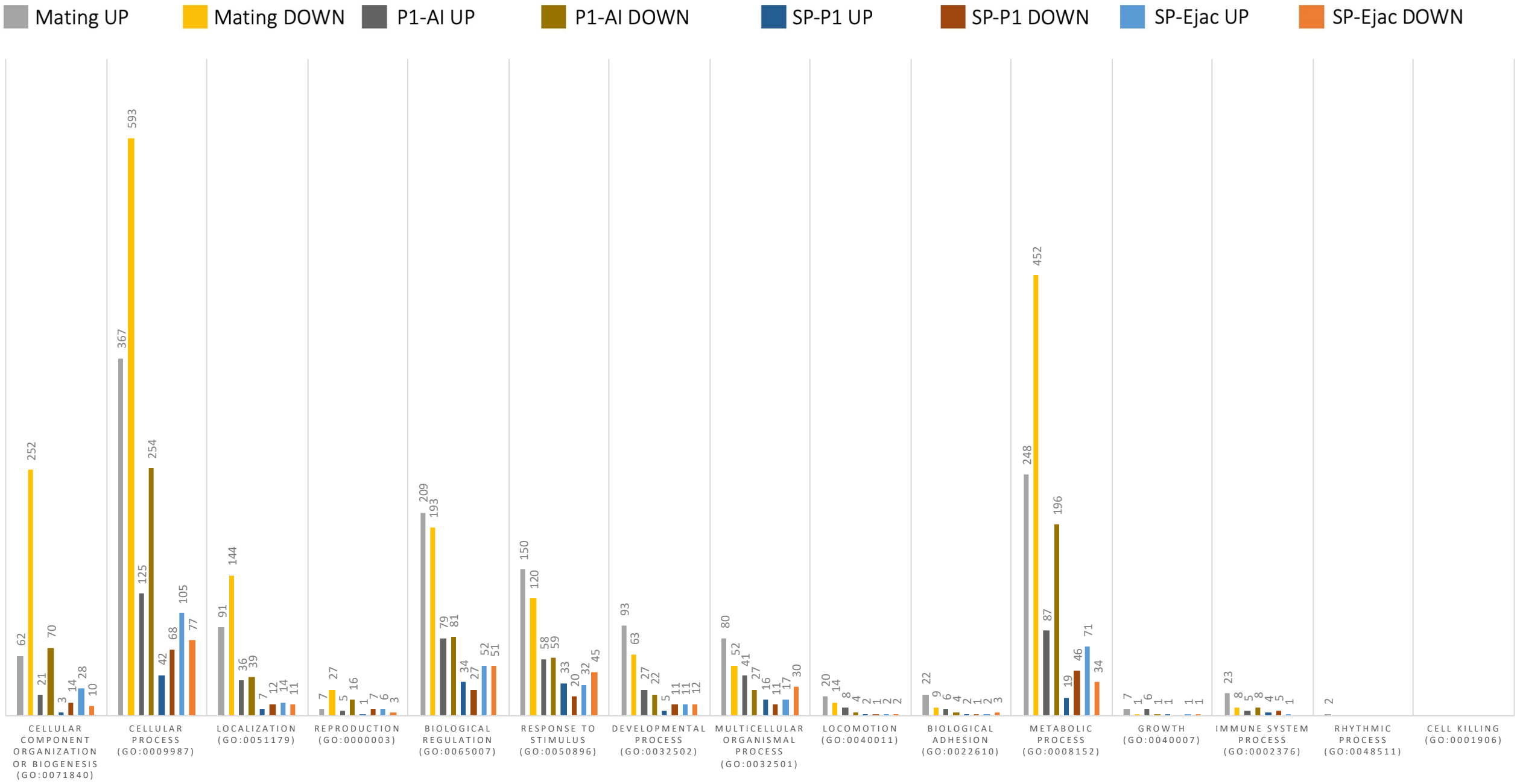
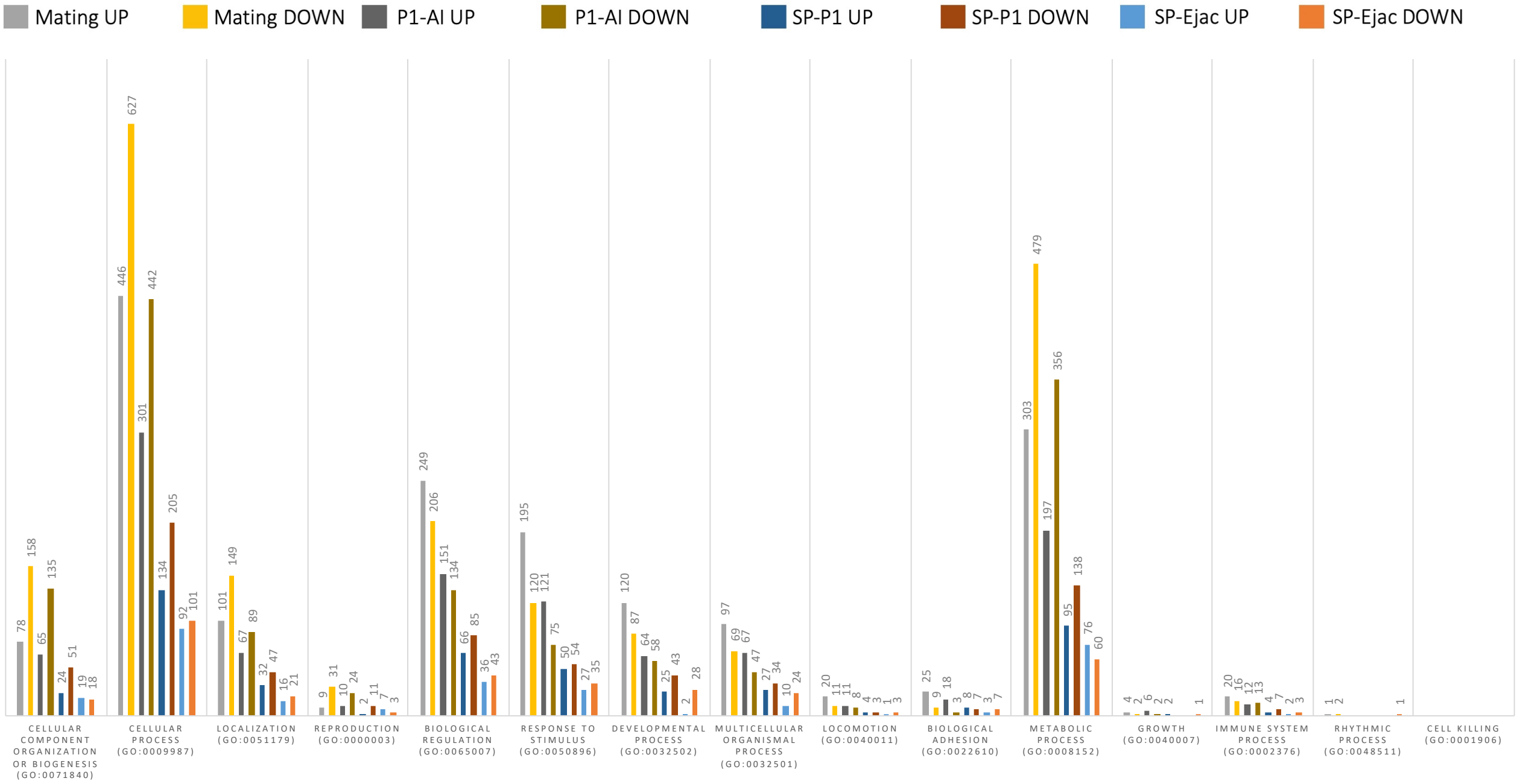
Supplementary Figure 11. Biological process in UTJ



Supplementary Figure 12. Biological process in Isth



Supplementary Figure 13. Biological process in Amp



Supplementary Figure 14. Biological process in Inf