

Heatmap visualization showing Enrichment scores across various biological processes, categorized by cell type (B\_Cell, T\_Cell, Monocyte) and Enrichment score (ranging from -3 to 3).

The color scale indicates the Enrichment score, ranging from -3 (blue) to 3 (red).

The Y-axis lists biological processes, each associated with a GO ID and a description. The X-axis represents the cell types: B\_Cell, T\_Cell, and Monocyte.

Key biological processes and their corresponding GO IDs are listed below:

- 489276 GO\_0003735 STRUCTURAL\_CONSTITUENT\_OF\_RIBOSOME
- 498634 GO\_0019843 RNA\_BINDING
- 492521 GO\_0008173 RNA\_METHYLTRANSFERASE\_ACTIVITY
- 503685 GO\_0034483 HEPARAN\_SULFATE\_SULFOTRANSFERASE\_ACTIVITY
- 486597 GO\_0000049 TRNA\_BINDING
- 489886 GO\_0004549 TRNA\_SPECIFIC\_RIBONUCLEASE\_ACTIVITY
- 492523 GO\_0008175 TRNA\_METHYLTRANSFERASE\_ACTIVITY
- 496778 GO\_0016891 ENDORIBONUCLEASE\_ACTIVITY\_PRODUCING\_5\_PHOSPHOMONOESTERS
- 489277 GO\_0003743 TRANSLATION\_INITIATION\_FACTOR\_ACTIVITY
- 490271 GO\_0004984 OLFACTORY\_RECEPTOR\_ACTIVITY
- 492632 GO\_0008312 7S\_RNA\_BINDING
- 489504 GO\_0004035 ALKALINE\_PHOSPHATASE\_ACTIVITY
- 489320 GO\_0003810 PROTEIN\_GLUTAMINE\_GAMMA\_GLUTAMYLTRANSFERASE\_ACTIVITY
- 490644 GO\_0005549 ODORANT\_BINDING
- 498722 GO\_0019956 CHEMOKINE\_BINDING
- 492807 GO\_0008528 G\_PROTEIN\_COUPLED\_PEPTIDE\_RECEPTOR\_ACTIVITY
- 487463 GO\_0005344 OXYGEN\_TRANSPORTER\_ACTIVITY
- 487566 GO\_0001653 PEPTIDE\_RECEPTOR\_ACTIVITY
- 492439 GO\_0008066 GLUTAMATE\_RECEPTOR\_ACTIVITY
- 496691 GO\_0016782 TRANSFERASE\_ACTIVITY\_TRANSFERRING\_SULFUR\_CONTAINING\_GROUPS
- 492498 GO\_0008146 SULFOTRANSFERASE\_ACTIVITY
- 490203 GO\_0004908 INTERLEUKIN\_1\_RECEPTOR\_ACTIVITY
- 487554 GO\_0001637 G\_PROTEIN\_COUPLED\_CHEMOATTRACTANT\_RECEPTOR\_ACTIVITY
- 511517 GO\_0050544 ARACHIDONIC\_ACID\_BINDING
- 511516 GO\_0050543 ICOSATETRAENOIC\_ACID\_BINDING
- 490241 GO\_0004950 CHEMOKINE\_RECEPTOR\_ACTIVITY
- 490613 GO\_0005504 FATTY\_ACID\_BINDING
- 498721 GO\_0019955 CYTOKINE\_BINDING
- 754527 GO\_1901567 FATTY\_ACID\_DERIVATIVE\_BINDING
- 511515 GO\_0050542 ICOSANOID\_BINDING
- 490246 GO\_0004955 PROSTAGLANDIN\_RECEPTOR\_ACTIVITY
- 492384 GO\_0008009 CHEMOKINE\_ACTIVITY
- 490470 GO\_0005229 INTRACELLULAR\_CALCIIUM\_ACTIVATED\_CHLORIDE\_CHANNEL\_ACTIVITY
- 490192 GO\_0004896 CYTOKINE\_RECEPTOR\_ACTIVITY
- 490187 GO\_0004890 GABA\_A\_RECEPTOR\_ACTIVITY
- 497601 GO\_0018685 ALKANE\_1\_MONOOXYGENASE\_ACTIVITY
- 489513 GO\_0004046 AMINOACYLASE\_ACTIVITY
- 501782 GO\_0032552 DEOXYRIBONUCLEOTIDE\_BINDING
- 510363 GO\_0048248 CXCR3\_CHEMOKINE\_RECEPTOR\_BINDING
- 499382 GO\_0022836 GATED\_CHANNEL\_ACTIVITY
- 499388 GO\_0022843 VOLTAGE\_GATED\_CATION\_CHANNEL\_ACTIVITY
- 751289 GO\_0038024 CARGO\_RECEPTOR\_ACTIVITY
- 501784 GO\_0032554 PURINE\_DEOXYRIBONUCLEOTIDE\_BINDING
- 499363 GO\_0022803 PASSIVE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY
- 490168 GO\_0004867 SERINE\_TYPE\_ENDOPEPTIDASE\_INHIBITOR\_ACTIVITY
- 490167 GO\_0004866 ENDOPEPTIDASE\_INHIBITOR\_ACTIVITY
- 490458 GO\_0005216 ION\_CHANNEL\_ACTIVITY
- 495521 GO\_0015267 CHANNEL\_ACTIVITY
- 499383 GO\_0022838 SUBSTRATE\_SPECIFIC\_CHANNEL\_ACTIVITY
- 496916 GO\_0030414 PEPTIDASE\_INHIBITOR\_ACTIVITY
- 492692 GO\_0008392 ARACHIDONIC\_ACID\_EPOXYGENASE\_ACTIVITY
- 492691 GO\_0008391 ARACHIDONIC\_ACID\_MONOOXYGENASE\_ACTIVITY
- 490479 GO\_0005245 VOLTAGE\_GATED\_CALCIIUM\_CHANNEL\_ACTIVITY
- 496567 GO\_0016903 OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_THE\_ALDEHYDE\_OR\_OXO\_GROUP\_OF\_DONORS
- 489493 GO\_0004024 ALCOHOL\_DEHYDROGENASE\_ACTIVITY\_ZINC\_DEPENDENT
- 490475 GO\_0005237 INHIBITORY\_EXTRACELLULAR\_LIGAND\_GATED\_ION\_CHANNEL\_ACTIVITY
- 496495 GO\_0016538 CYCLIN\_DEPENDENT\_PROTEIN\_SERINE\_THREONINE\_KINASE\_REGULATOR\_ACTIVITY
- 496869 GO\_0017048 RHO\_GTPASE\_BINDING
- 493634 GO\_0015038 GLUTATHIONE\_DISULFIDE\_OXIDOREDUCTASE\_ACTIVITY
- 500653 GO\_0031402 SODIUM\_ION\_BINDING
- 499444 GO\_0023023 MHC\_PROTEIN\_COMPLEX\_BINDING
- 490372 GO\_0046875 EPHRIN\_RECEPTOR\_BINDING
- 500248 GO\_0030955 POTASSIUM\_ION\_BINDING
- 487582 GO\_0001671 ATPASE\_ACTIVATOR\_ACTIVITY
- 504171 GO\_0034979 NAD\_DEPENDENT\_PROTEIN\_DEACETYLASE\_ACTIVITY
- 500177 GO\_0030882 LIPID\_ANTIGEN\_BINDING
- 490518 GO\_0005343 ORGANIC\_ACID\_SODIUM\_SYMPORTER\_ACTIVITY
- 500178 GO\_0030883 ENDOGENOUS\_LIPID\_ANTIGEN\_BINDING
- 489481 GO\_0004012 PHOSPHOLIPID\_TRANSLOCATING\_ATPASE\_ACTIVITY
- 486557 GO\_0051082 UNFOLDED\_PROTEIN\_BINDING
- 489236 GO\_0005521 LAMIN\_BINDING
- 489324 GO\_0003823 ANTIGEN\_BINDING
- 495537 GO\_0015293 SYMPORTER\_ACTIVITY
- 495538 GO\_0015294 SOLUTE\_CATION\_SYMPORTER\_ACTIVITY
- 490163 GO\_0004861 CYCLIN\_DEPENDENT\_PROTEIN\_SERINE\_THREONINE\_KINASE\_INHIBITOR\_ACTIVITY
- 490191 GO\_0030246 CARBOHYDRATE\_BINDING
- 500179 GO\_0030884 EXOGENOUS\_LIPID\_ANTIGEN\_BINDING
- 490029 GO\_0004713 PROTEIN\_TYROSINE\_KINASE\_ACTIVITY
- 499447 GO\_0023026 MHC\_CLASS\_II\_PROTEIN\_COMPLEX\_BINDING
- 490291 GO\_0005005 TRANSMEMBRANE\_EPHRIN\_RECEPTOR\_ACTIVITY
- 507653 GO\_0045294 ALPHA\_CATENIN\_BINDING
- 500176 GO\_0030881 BETA\_2\_MICROGLOBULIN\_BINDING
- 515609 GO\_0070679 INOSITOL\_1\_4\_5\_TRISPHOSPHATE\_BINDING
- 495540 GO\_0015296 ANION\_CATION\_SYMPORTER\_ACTIVITY
- 753721 GO\_1900750 OLIGOPEPTIDE\_BINDING
- 506356 GO\_0043295 GLUTATHIONE\_BINDING
- 492421 GO\_0008046 AXON\_GUIDANCE\_RECEPTOR\_ACTIVITY
- 498574 GO\_0019763 IMMUNOGLOBULIN\_RECEPTOR\_ACTIVITY
- 499996 GO\_0030695 GTPASE\_REGULATOR\_ACTIVITY
- 490567 GO\_0005391 SODIUM\_POTASSIUM\_EXCHANGING\_ATPASE\_ACTIVITY
- 490634 GO\_0005536 GLUCOSE\_BINDING
- 492830 GO\_0008556 POTASSIUM\_TRANSPORTING\_ATPASE\_ACTIVITY
- 490289 GO\_0005003 EPHRIN\_RECEPTOR\_ACTIVITY
- 490364 GO\_0005096 GTPASE\_ACTIVATOR\_ACTIVITY
- 496705 GO\_0016801 HYDROLASE\_ACTIVITY\_ACTING\_ON\_ETHER\_BONDS
- 500671 GO\_0031420 ALKALI\_METAL\_ION\_BINDING
- 495364 GO\_0015081 SODIUM\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY
- 496892 GO\_0031072 HEAT\_SHOCK\_PROTEIN\_BINDING
- 489730 GO\_0004364 GLUTATHIONE\_TRANSFERASE\_ACTIVITY
- 513558 GO\_0055131 C3HC4\_TYPE\_RING\_FINGER\_DOMAIN\_BINDING