

Enriched pathway	Reference
Primary immunodeficiency	https://www.frontiersin.org/articles/10.3389/fimmu.2018.03136/full
T cell receptor signaling pathway	https://link.springer.com/article/10.1007/s13238-016-0367-1
Cytokine-cytokine receptor interaction	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5577299/
Hematopoietic cell lineage	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7290570/
Th17 cell differentiation	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8041630/
PD-L1 expression and PD-1 checkpoint pathway in cancer	https://pubmed.ncbi.nlm.nih.gov/28346916/
Cell adhesion molecules	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6896014/
Cell cycle	https://pubmed.ncbi.nlm.nih.gov/26804550/
ECM-receptor interaction	https://www.frontiersin.org/articles/10.3389/fcell.2019.00086/full
Amoebiasis	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6096082/
Focal adhesion	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6958047/
Protein digestion and absorption	http://www.aimspress.com/article/id/4377
Metabolic pathways	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4792565/
Dilated cardiomyopathy	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8918393/
Pathways in cancer	
Chemokine signaling pathway	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2907742/
Metabolism of xenobiotics by cytochrome	https://pubmed.ncbi.nlm.nih.gov/21184128/
Viral protein interaction with cytokine and cytokine receptor	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4074797/
Arrhythmogenic right ventricular cardiomyopathy	https://www.mdpi.com/2077-0383/9/6/1702/htm
Nicotine addiction	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3085312/
Chemical carcinogenesis - DNA adducts	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4439668/
Hypertrophic cardiomyopathy	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7356401/
Retinol metabolism	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991380/
Morphine addiction	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3158334/
Progesterone-mediated oocyte maturation	https://pubmed.ncbi.nlm.nih.gov/26804550/

Th1 and Th2 cell differentiation	https://www.frontiersin.org/articles/10.3389/fphar.2019.00624/full
Drug metabolism - cytochrome P450	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6171375/
Fc epsilon RI signaling pathway	https://pubmed.ncbi.nlm.nih.gov/16339523/
Natural killer cell mediated cytotoxicity	https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-020-01238-x
Synaptic vesicle cycle	https://pubmed.ncbi.nlm.nih.gov/24965146/ https://www.frontiersin.org/articles/10.3389/fbioe.2020.00177/full#B30
GABAergic synapse	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931807/
Osteoclast differentiation	https://www.nature.com/articles/s41413-020-00105-1

S2 Table Enriched pathway of fixed-point sets and their relevance to cancer.