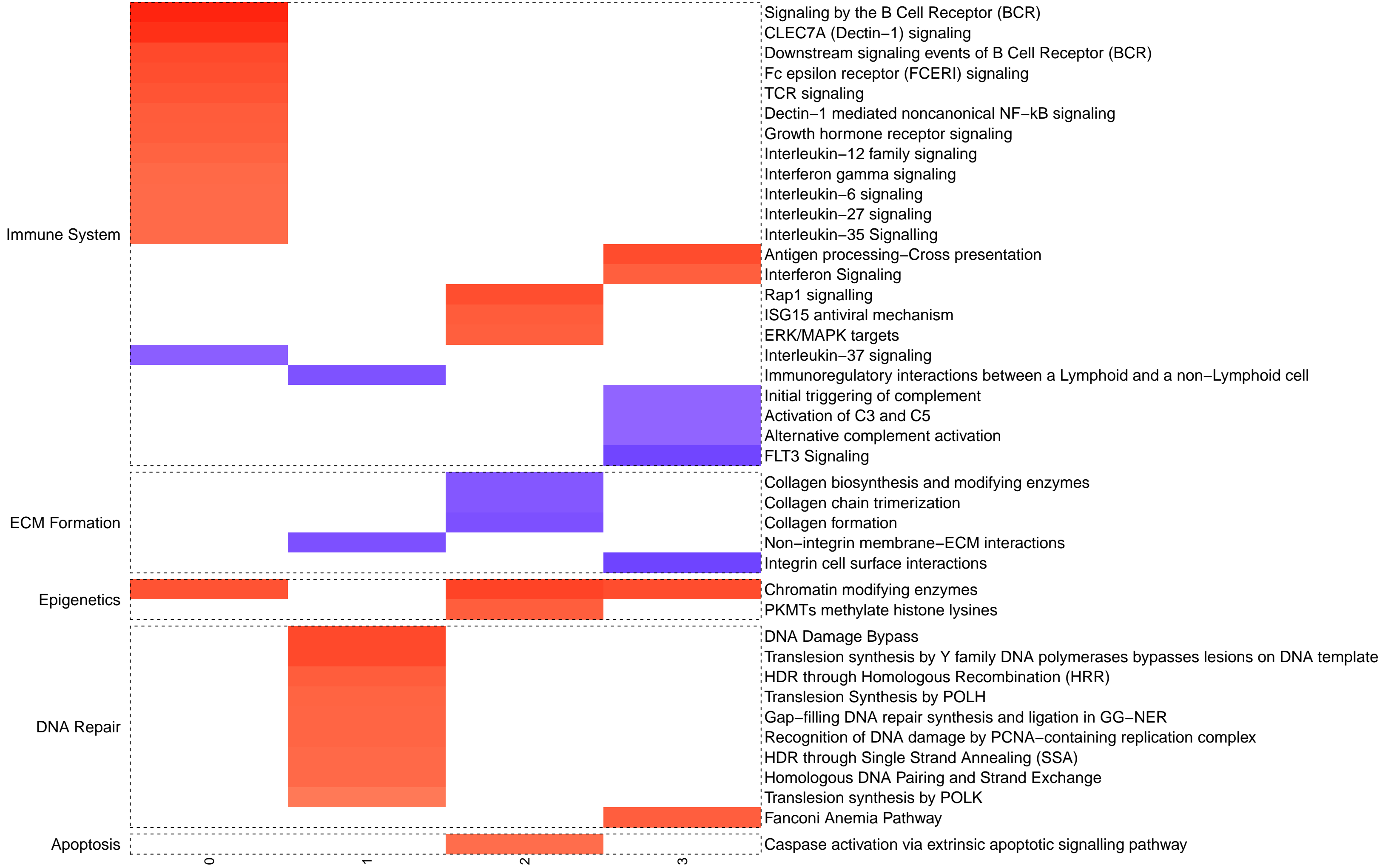
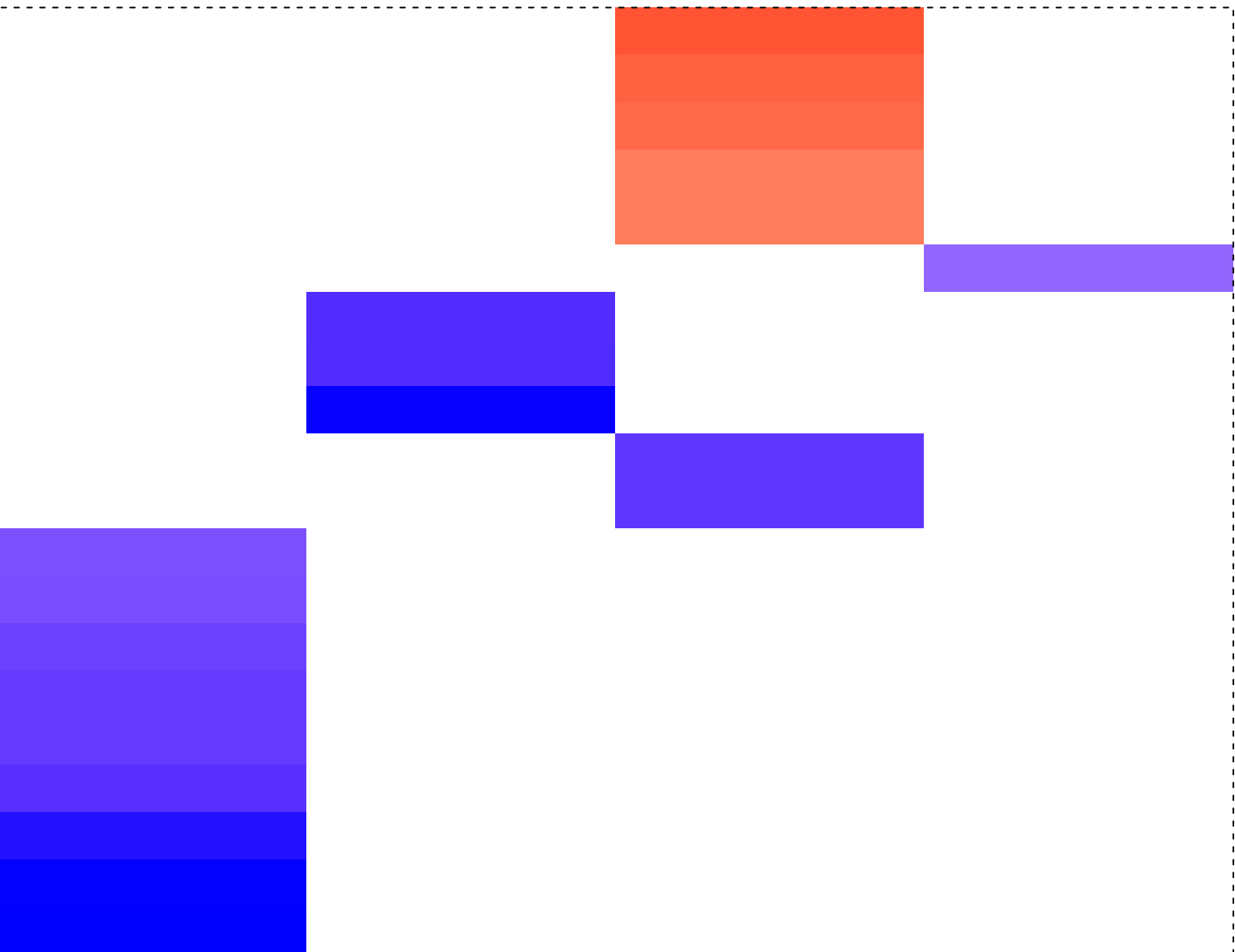


All 2Gy_vs_0Gy Enriched Pathways



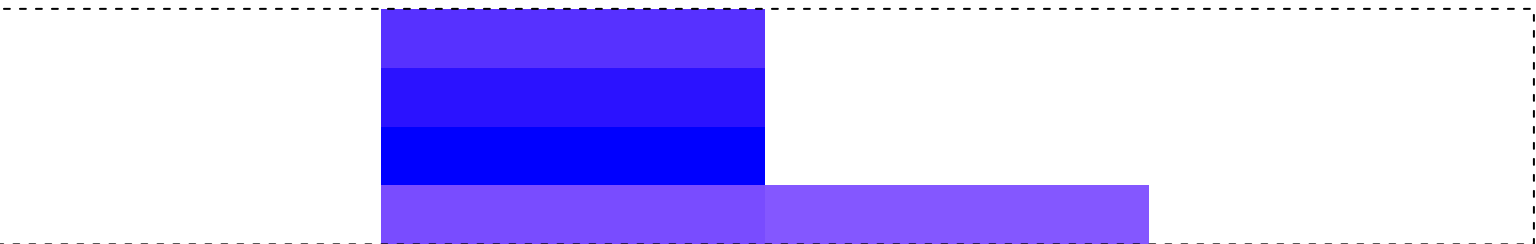
All 6Gy_vs_0Gy Enriched Pathways

Immune System



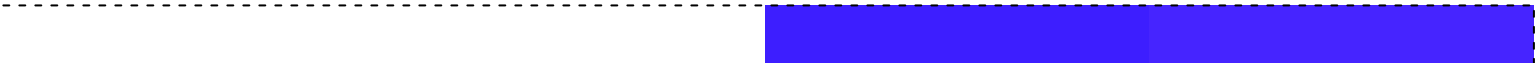
- TRAF6 mediated NF-kB activation
- OAS antiviral response
- Interleukin-1 processing
- Beta defensins
- Defensins
- TRAF6 mediated IRF7 activation in TLR7/8 or 9 signaling
- Advanced glycosylation endproduct receptor signaling
- Interleukin-12 family signaling
- Gene and protein expression by JAK-STAT signaling after Interleukin-12 stimulation
- Interleukin-23 signaling
- IL-6-type cytokine receptor ligand interactions
- FCGR activation
- CD28 dependent PI3K/Akt signaling
- Interleukin-2 signaling
- FLT3 Signaling
- CD28 dependent Vav1 pathway
- IRAK1 recruits IKK complex
- Co-stimulation by CD28
- Regulation of T cell activation by CD28 family
- Regulation of NF-kappa B signaling

ECM Formation



- Non-integrin membrane-ECM interactions
- Syndecan interactions
- ECM proteoglycans
- Integrin cell surface interactions

Epigenetics



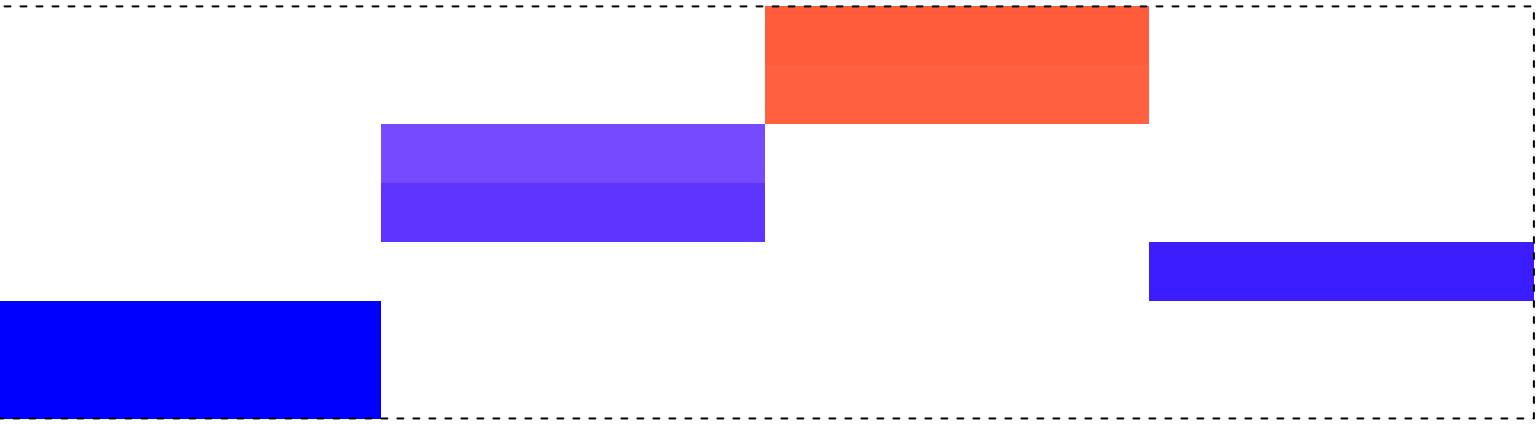
- HDACs deacetylate histones

DNA Repair



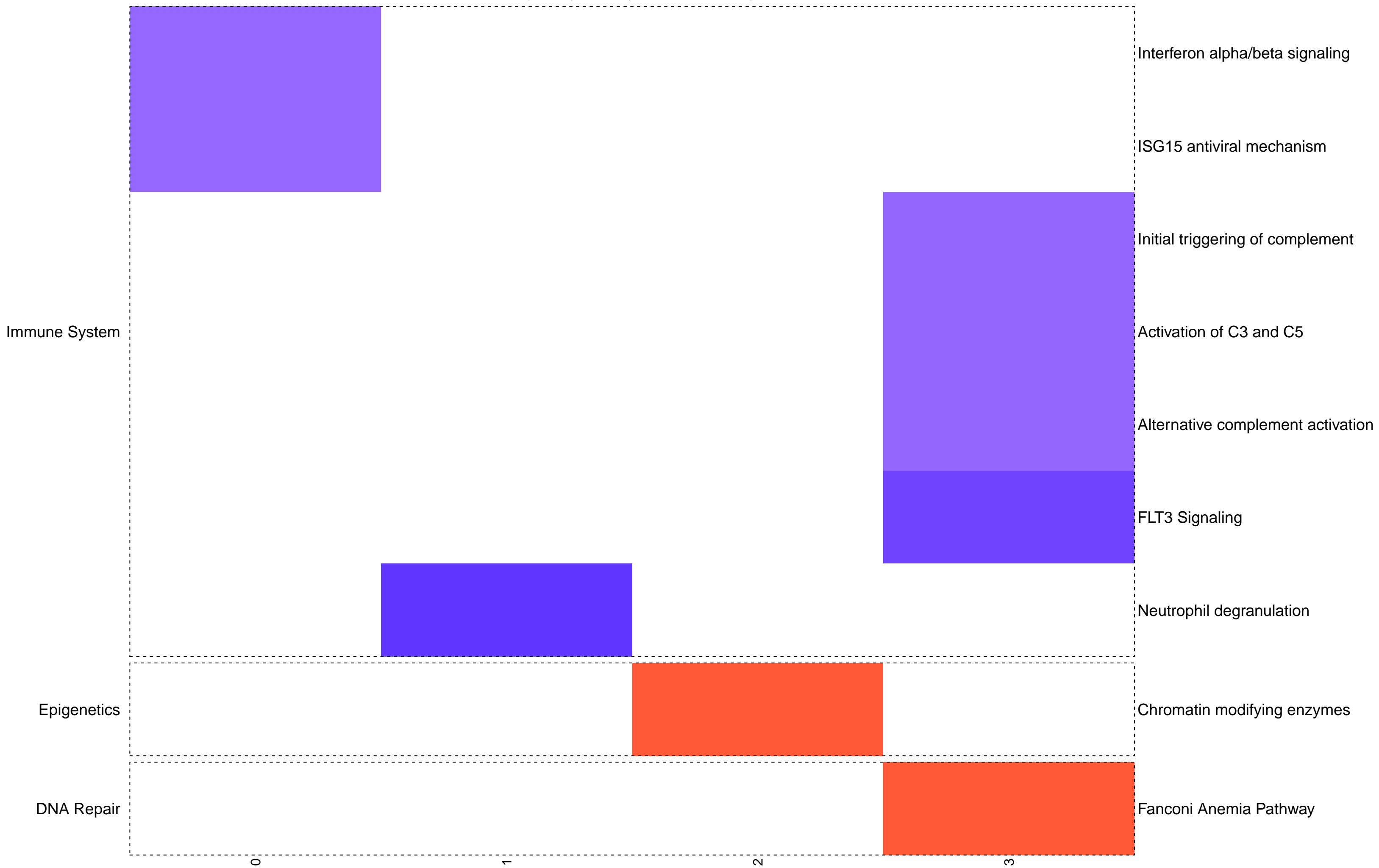
- Mismatch Repair

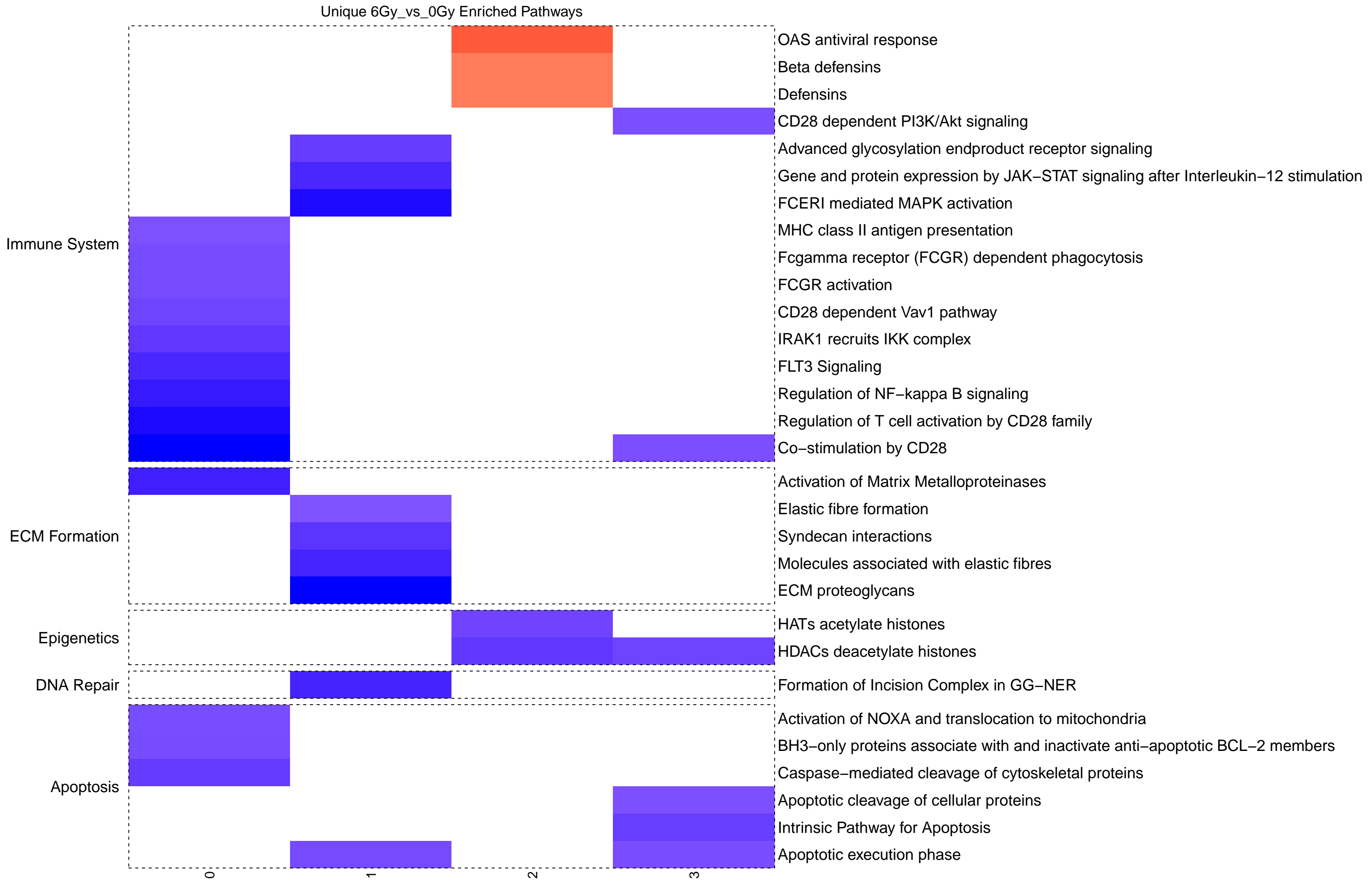
Apoptosis

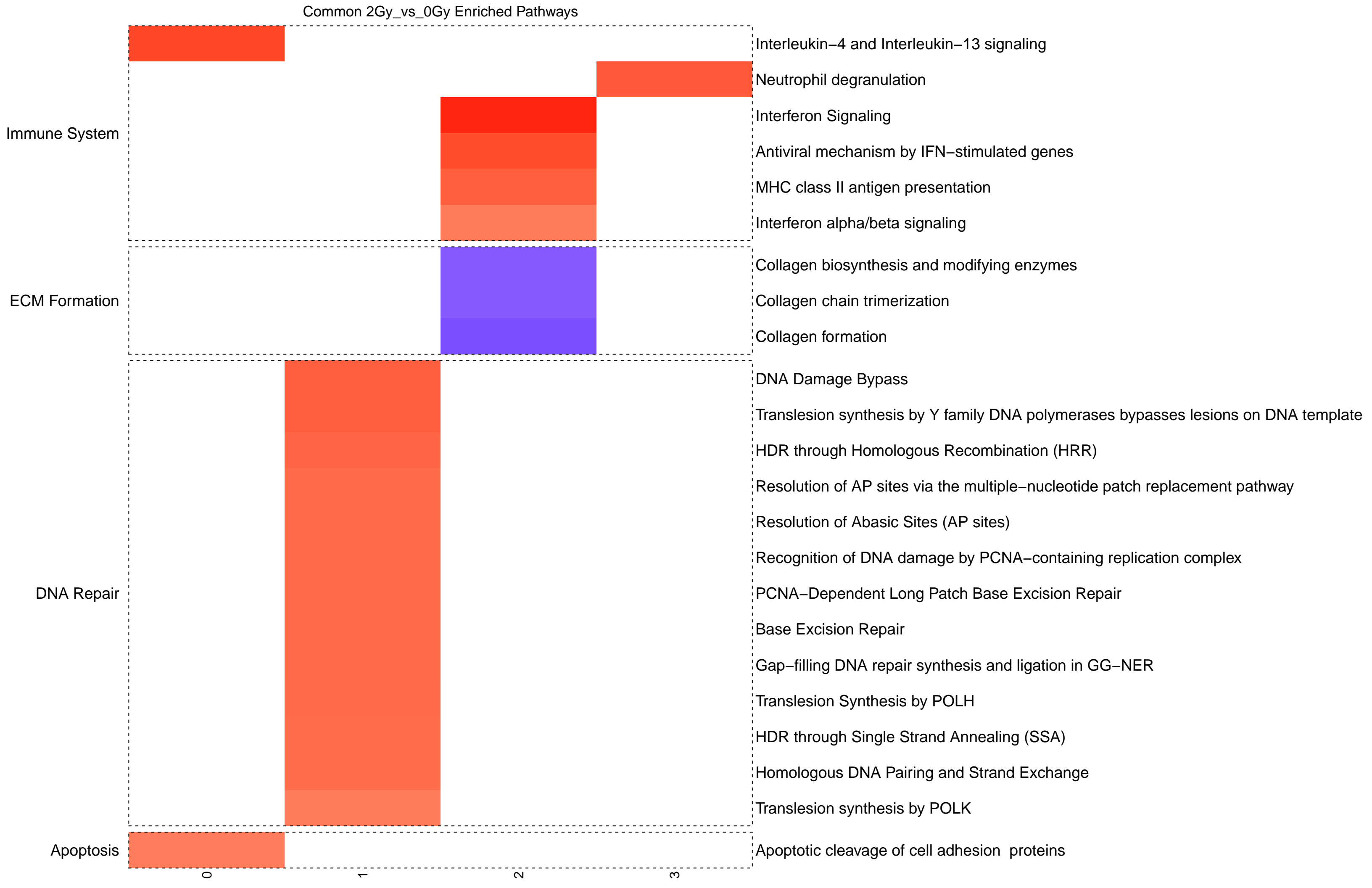


- Caspase activation via extrinsic apoptotic signalling pathway
- Caspase activation via Death Receptors in the presence of ligand
- Apoptotic cleavage of cellular proteins
- Apoptotic execution phase
- Intrinsic Pathway for Apoptosis
- Caspase-mediated cleavage of cytoskeletal proteins
- BH3-only proteins associate with and inactivate anti-apoptotic BCL-2 members

Unique 2Gy_vs_0Gy Enriched Pathways







Common 6Gy_vs_0Gy Enriched Pathways

