

GSEA (Gene Set Enrichment Analysis) Results

- A. List of 15 GO terms in ***Biological Process*** category that were enriched in MRP1 in comparison with MRP2, in all four platforms

- Biosynthesis
- Cell activation
- Cell homeostasis
- Cell motility
- Cell proliferation
- Cellular localization
- Defense response
- Hematopoietic or lymphoid organ development
- Immune response
- Localization of cell
- Nitrogen component metabolism
- Positive regulation of development
- Protein localization
- Regulation of transferase activity
- Response to chemical stimulus

- B. List of 12 GO terms in ***Molecular Function*** category that were enriched in MRP1 in comparison with MRP2, in all four platforms

- ATPase activity (coupled to transmembrane movement of ions)
- ATPase activity (coupled to transmembrane movement of substances)
- Enzyme binding
- Hydrolase activity (acting on acid anhydrides)
- Oxidoreductase activity (acting on CH-OH group of donors)
- Peptidase activity
- Primary active transporter activity
- Receptor binding
- Transcription factor binding
- Translation factor activity (nucleic acid binding)
- Ubiquitin-like activating enzyme activity
- Unfolded protein binding