

Additional file 2.

Significant pathways in dataset 2 and 3

- [1] KEGG ether lipid metabolism
- [2] KEGG RNA degradation
- [3] KEGG DNA replication
- [4] KEGG mismatch repair
- [5] KEGG homologous recombination
- [6] KEGG P53 signaling pathway
- [7] KEGG cell adhesion molecules (CAMs)
- [8] KEGG adipocytokine signaling pathway
- [9] BIOCARTA CXCR4 pathway
- [10] BIOCARTA mTOR pathway
- [11] BIOCARTA Rab pathway
- [12] BIOCARTA eIF4 pathway
- [13] BIOCARTA leptin pathway
- [14] PID fanconi pathway
- [15] PID endothelin pathway
- [16] PID glypican 1 pathway
- [17] PID WNT signaling pathway
- [18] PID AP1 pathway
- [19] REACTOME activation of the pre-replicative complex
- [20] REACTOME base excision repair
- [21] REACTOME insulin receptor recycling
- [22] REACTOME immunoregulatory interactions between a lymphoid and a non-lymphoid cell
- [23] REACTOME IL-7 signaling
- [24] REACTOME RORA activates circadian expression
- [25] REACTOME Acyl chain remodeling of PI
- [26] REACTOME synthesis of PE
- [27] REACTOME generation of second messenger molecules

- [28] REACTOME regulation of insulin like growth factor (IGF) activity by insulin like growth factor binding proteins (IGSBPs)
- [29] REACTOME nuclear receptor transcription pathway
- [30] REACTOME homologous recombination repair of replication independent double strand breaks
- [31] REACTOME G alpha (q) signalling events
- [32] REACTOME mRNA 3'-END processing
- [33] REACTOME synthesis secretion and deacylation of ghrelin
- [34] REACTOME purine salvage
- [35] REACTOME double strand break repair
- [36] REACTOME CREB phosphorylation through the activation of CAMKII
- [37] REACTOME DNA repair
- [38] REACTOME global genomic NER (GG-NER)
- [39] REACTOME platelet sensitization by LDL
- [40] REACTOME circadian clock
- [41] REACTOME interferon gamma signaling
- [42] REACTOME DNA replication
- [43] REACTOME activation of ATR in response to replication stress
- [44] REACTOME phase II conjugation
- [45] REACTOME telomere maintenance
- [46] REACTOME G2/M checkpoints
- [47] REACTOME DNA strand elongation
- [48] REACTOME intrinsic pathway for apoptosis