A

S.No	KEGG Pathway	% matched entities in Method 1	% matched entities in Method 2	Total entities in pathway
1	Cell cycle	19%	9%	124
2	ECM-receptor interaction	24%	25%	87
3	PI3K-Akt signaling pathway	10%	10%	347
4	Drug metabolism - cytochrome P450	21%	18%	68
5	Glutathione metabolism	24%	20%	51
6	Focal adhesion	12%	13%	207
7	Chemical carcinogenesis	18%	14%	80
8	Metabolism of xenobiotics by cytochrome P450	18%	14%	74
9	TGF-beta signaling pathway	15%	15%	80
10	Arachidonic acid metabolism	16%	13%	64
11	Chemokine signaling pathway	10%	11%	189
12	Glycolysis / Gluconeogenesis	14%	12%	66
13	Cytokine-cytokine receptor interaction	8%	12%	265
14	Cell adhesion molecules (CAMs)	9%	10%	145
15	NF-kappa B signaling pathway	11%	16%	91
16	Regulation of actin cytoskeleton	8%	6%	215
17	TNF signaling pathway	9%	11%	110
18	Rap1 signaling pathway +	6%	-	213
19	DNA replication +	22%	-	36
20	Jak-STAT signaling pathway *	-	6%	156

B

S.No	KEGG Pathway	% matched entities in Method 1	% matched entities in Method 2	Total entities in pathway
1	Focal adhesion	12%	13%	207
2	ECM-receptor interaction	18%	22%	87
3	Complement and coagulation cascades	46%	25%	69
4	Regulation of actin cytoskeleton	9%	6%	215
5	Proteoglycans in cancer	8%	6%	225
6	Glutathione metabolism	18%	14%	51
7	PI3K-Akt signaling pathway	6%	6%	347
8	Drug metabolism - cytochrome P450	10%	12%	68
9	Phagosome	6%	6%	155
10	Chemical carcinogenesis	9%	11%	80
11	HIF-1 signaling pathway	8%	5%	106
12	Chemokine signaling pathway	6%	4%	189
13	Metabolism of xenobiotics by cytochrome P450	8%	11%	74
14	Nucleotide excision repair +	11%	-	47
15	Non-homologous end-joining +	15%	-	13
16	DNA replication +	36%	-	36
17	Mismatch repair +	30%	-	23
18	ErbB signaling pathway *	-	5%	87
19	Wnt signaling pathway *	-	3%	139
20	Rap1 signaling pathway *	-	4%	213