

Distal_Cdx2VsScramble_WENR(-)

Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
Mineral absorption	9/209	54/8949	0.000561	0.000511	0.166667
ECM-receptor interaction	11/209	88/8949	0.000561	0.000511	0.125
PPAR signaling pathway	11/209	89/8949	0.000561	0.000511	0.123596
Vitamin digestion and absorption	5/209	24/8949	0.012836	0.011706	0.208333
Small cell lung cancer	9/209	93/8949	0.015702	0.01432	0.096774
TGF-beta signaling pathway	9/209	95/8949	0.015702	0.01432	0.094737
Protein digestion and absorption	9/209	108/8949	0.034514	0.031477	0.083333
Thyroid hormone synthesis	7/209	74/8949	0.053683	0.048959	0.094595

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Proximal_Cdx2VsScramble_WENR(-)

Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
Fanconi anemia pathway	14/540	51/8949	0.000354	0.00031	0.27451
Cell cycle	22/540	125/8949	0.000717	0.000629	0.176
TNF signaling pathway	20/540	113/8949	0.001183	0.001036	0.176991
DNA replication	10/540	35/8949	0.00208	0.001822	0.285714
ECM-receptor interaction	16/540	88/8949	0.003764	0.003297	0.181818
NF-kappa B signaling pathway	17/540	105/8949	0.007945	0.00696	0.161905
Fluid shear stress and atherosclerosis	21/540	148/8949	0.007945	0.00696	0.141892
Amoebiasis	17/540	107/8949	0.007945	0.00696	0.158879
Metabolism of xenobiotics by cytochrome P450	13/540	73/8949	0.012481	0.010934	0.178082
Hippo signaling pathway	21/540	157/8949	0.014208	0.012447	0.133758
Cytokine-cytokine receptor interaction	32/540	292/8949	0.02003	0.017547	0.109589
Platinum drug resistance	13/540	80/8949	0.020987	0.018385	0.1625
PI3K-Akt signaling pathway	37/540	359/8949	0.020987	0.018385	0.103064
Drug metabolism - cytochrome P450	12/540	71/8949	0.020987	0.018385	0.169014
Chemical carcinogenesis - receptor tyrosine kinase	26/540	225/8949	0.020987	0.018385	0.115556
p53 signaling pathway	12/540	72/8949	0.021592	0.018916	0.166667
Small cell lung cancer	14/540	93/8949	0.022924	0.020083	0.150538
MAPK signaling pathway	31/540	294/8949	0.02768	0.024249	0.105442
Hepatocellular carcinoma	21/540	174/8949	0.02863	0.025081	0.12069
Homologous recombination	8/540	41/8949	0.040067	0.0351	0.195122
AGE-RAGE signaling pathway in diabetic complications	14/540	101/8949	0.040067	0.0351	0.138614
Proteoglycans in cancer	23/540	205/8949	0.040067	0.0351	0.112195
Basal cell carcinoma	10/540	63/8949	0.054907	0.048101	0.15873
Signaling pathways regulating pluripotency	17/540	140/8949	0.05613	0.049172	0.121429

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Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
Amoebiasis	19/451	107/8949	0.000392	0.000316	0.17757

Fluid shear stress and atherosclerosis	22/451	148/8949	0.000647	0.000521	0.148649
PI3K-Akt signaling pathway	37/451	359/8949	0.001697	0.001365	0.103064
Cytokine-cytokine receptor interaction	32/451	292/8949	0.001697	0.001365	0.109589
ECM-receptor interaction	15/451	88/8949	0.001697	0.001365	0.170455
Proteoglycans in cancer	25/451	205/8949	0.001702	0.00137	0.121951
Metabolism of xenobiotics by cytochrome P450	13/451	73/8949	0.002265	0.001822	0.178082
Chemical carcinogenesis - receptor/antagonist	26/451	225/8949	0.002265	0.001822	0.115556
NF-kappa B signaling pathway	15/451	105/8949	0.007524	0.006055	0.142857
Chemical carcinogenesis - DNA adduct formation	13/451	84/8949	0.007859	0.006324	0.154762
Hippo signaling pathway	19/451	157/8949	0.008832	0.007108	0.121019
Focal adhesion	22/451	201/8949	0.01145	0.009214	0.109453
AGE-RAGE signaling pathway in diabetic complications	14/451	101/8949	0.01145	0.009214	0.138614
Platinum drug resistance	12/451	80/8949	0.012845	0.010337	0.15
TGF-beta signaling pathway	13/451	95/8949	0.017647	0.014201	0.136842
Hepatocellular carcinoma	19/451	174/8949	0.021776	0.017524	0.109195
Signaling pathways regulating pluripotency of stem cells	16/451	140/8949	0.030527	0.024566	0.114286
Small cell lung cancer	12/451	93/8949	0.038238	0.030772	0.129032
Drug metabolism - cytochrome P450	10/451	71/8949	0.042286	0.034029	0.140845
Lipid and atherosclerosis	21/451	216/8949	0.042286	0.034029	0.097222
Lysosome	15/451	135/8949	0.044734	0.036	0.111111
Rheumatoid arthritis	11/451	87/8949	0.054992	0.044254	0.126437
HIF-1 signaling pathway	13/451	114/8949	0.059457	0.047848	0.114035
Human papillomavirus infection	30/451	362/8949	0.059457	0.047848	0.082873

ProVsDis_Scramble_WENR(-)

Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
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ProximalVsDistal_Cdx2_WENR(-)

Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
DNA replication	24/978	35/8949	2.62E-13	2.37E-13	0.685714
Ribosome	54/978	179/8949	1.77E-10	1.60E-10	0.301676
Cell cycle	43/978	125/8949	1.87E-10	1.70E-10	0.344
Systemic lupus erythematosus	46/978	148/8949	1.38E-09	1.25E-09	0.310811
Coronavirus disease - COVID-19	61/978	247/8949	2.72E-08	2.47E-08	0.246964
Spliceosome	39/978	134/8949	2.66E-07	2.41E-07	0.291045
Homologous recombination	19/978	41/8949	4.81E-07	4.36E-07	0.463415
Neutrophil extracellular trap formation	51/978	207/8949	5.18E-07	4.69E-07	0.246377
Fanconi anemia pathway	21/978	51/8949	8.20E-07	7.43E-07	0.411765
Alcoholism	50/978	205/8949	8.20E-07	7.43E-07	0.243902
Mismatch repair	13/978	22/8949	1.63E-06	1.48E-06	0.590909
Pyrimidine metabolism	21/978	56/8949	4.36E-06	3.95E-06	0.375
Nucleocytoplasmic transport	30/978	118/8949	0.000161	0.000146	0.254237
Ribosome biogenesis in eukaryotic cells	30/978	121/8949	0.00025	0.000226	0.247934
Base excision repair	14/978	36/8949	0.00025	0.000226	0.388889
p53 signaling pathway	21/978	72/8949	0.000339	0.000307	0.291667

Viral carcinogenesis	43/978	229/8949	0.004608	0.004175	0.187773
RNA polymerase	11/978	32/8949	0.006492	0.005882	0.34375
Biosynthesis of cofactors	31/978	152/8949	0.006875	0.006229	0.203947
One carbon pool by folate	8/978	19/8949	0.007823	0.007088	0.421053
Herpes simplex virus 1 infection	71/978	459/8949	0.020934	0.018967	0.154684
Cysteine and methionine metabolism	14/978	54/8949	0.022235	0.020146	0.259259
Nucleotide excision repair	12/978	43/8949	0.022903	0.020751	0.27907
Drug metabolism - other enzymes	20/978	92/8949	0.024841	0.022508	0.217391
Glutathione metabolism	16/978	72/8949	0.051962	0.047081	0.222222
Progesterone-mediated oocyte maturation	19/978	92/8949	0.05205	0.047161	0.206522
Notch signaling pathway	14/978	60/8949	0.05205	0.047161	0.233333

ProximalVsDistal_Cdx2_WENR(+)

Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
Amoebiasis	15/394	107/8949	0.006995	0.006098	0.140187
Focal adhesion	22/394	201/8949	0.006995	0.006098	0.109453
Metabolism of xenobiotics by cytochrome P450	12/394	73/8949	0.006995	0.006098	0.164384
ECM-receptor interaction	13/394	88/8949	0.008271	0.007211	0.147727
Small cell lung cancer	13/394	93/8949	0.01093	0.009528	0.139785
PI3K-Akt signaling pathway	31/394	359/8949	0.01093	0.009528	0.086351
Proteoglycans in cancer	21/394	205/8949	0.01093	0.009528	0.102439
Collecting duct acid secretion	6/394	27/8949	0.032654	0.028467	0.222222
Axon guidance	18/394	181/8949	0.032654	0.028467	0.099448
Choline metabolism in cancer	12/394	98/8949	0.034399	0.029988	0.122449
Hepatocellular carcinoma	17/394	174/8949	0.044394	0.038701	0.097701

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Description	GeneRatio	BgRatio	p.adjust	qvalue	RichFactor
Hippo signaling pathway	8/1971	157/8949	0.006103	0.005534	0.050955
Basal cell carcinoma	5/1971	63/8949	0.011385	0.010325	0.079365
Gastric cancer	7/1971	150/8949	0.011385	0.010325	0.046667
Retinol metabolism	5/1971	97/8949	0.048655	0.044124	0.051546