

Targeting Hodgkin and Reed-Sternberg cells with an inhibitor of heat-shock protein 90: Molecular pathways of response and potential mechanisms of resistance

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Supplementary File S7

Table S7 Representative Biological process modulated in KM-H2 and L428 cell lines.

#	Biological processes	FDR	N# proteins in total	N# proteins identified
KM-H2 cell line				
1	posttranscriptional regulation of gene expression	5,542E-13	669	39
2	chromosome organization	9,420E-12	1344	53
3	organelle organization	9,420E-12	4189	103
4	regulation of organelle organization	1,119E-11	1713	60
5	regulation of cellular component organization	1,189E-11	3298	88
6	cellular protein metabolic process	1,189E-11	4577	108
7	Fc receptor signaling pathway	1,316E-11	361	27
8	cellular component organization or biogenesis	1,316E-11	7183	144
9	cell cycle	7,472E-11	1770	59
10	cellular metabolic process	7,518E-11	10816	186
L428 cell line				
1	translational initiation	1,170E-24	173	32
2	SRP-dependent cotranslational protein targeting to membrane	1,079E-20	103	24
3	protein localization to endoplasmic reticulum	1,080E-20	148	27
4	viral gene expression	1,553E-20	136	26
5	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	1,553E-20	137	26
6	viral transcription	1,691E-20	124	25
7	cotranslational protein targeting to membrane	1,691E-20	110	24
8	protein targeting to ER	7,170E-20	117	24
9	establishment of protein localization to endoplasmic reticulum	1,841E-19	122	24
10	cellular component biogenesis	9,278E-19	3351	106

*Process listed in the table are those statistically most relevant using the Metacore Analysis.
FDR: *False discovery rate*.