

Supplementary Table 1 Legend:

Detail information on non-synonymous mutations for human *LATS1* and *LATS2* genes collected in the COSMIC (<http://cancer.sanger.ac.uk/cancergenome/projects/cosmic/>) [1] and cBioPortal (<http://http://www.cbioportal.org/public-portal/>) [2] databases are presented.

LATS1 and **LATS2** data from the COSMIC database:

Column A: Gene name

Column B: Transcript

Column C: Sample name.

Column D: Sample ID/name

Column E: Amino acid mutation

Column F: Nucleotide change and position

Column G: Primary tissue

Column H: Tissue subtype

Column I: Tissue subtype

Column J: Histology

Column K: Histology subtype

Column L: Histology subtype

Column M: PubMed ID

Column N: CGP study

Column O: Somatic state

Column P: Sample source

Column Q: Zygosity

Column R-S: Genomic co-ordinates

Column T: The SIFT program (http://sift.jcvi.org/www/SIFT_enst_submit.html) [3]

Column U: PROVEAN (<http://provean.jcvi.org/index.php>) [4]

Column V: The PolyPhen-2 program (<http://genetics.bwh.harvard.edu/pph2/>) [5]

Column W: The Mutation Assessor program (http://mutationassessor.org/?set=tc_ga-gbm-nov.2009) [6]

Column X: Information in database on SNP's found in the same amino acid position

Column Y: Minor allele frequency in dbSNP

LATS1 and LATS2 data from the cBioPortal database:

Column A: Cancer study

Column B: Type

Column C: Amino acid change

Column D: Amino acid position

Column E: Type of mutation

Column F: Copy number status of the mutated gene

Column G: 3D

Column H: Validation status

Column I: Allele frequency

Column J: Number of mutations in sample

Column K: The SIFT program (http://sift.jcvi.org/www/SIFT_enst_submit.html) [3]

Column L: PROVEAN (<http://provean.jcvi.org/index.php>) [4]

Column M: The PolyPhen-2 program (<http://genetics.bwh.harvard.edu/pph2/>) [5]

Column N: The Mutation Assessor program (http://mutationassessor.org/?set=tc_ga-gbm-nov.2009) [6]

Column O: Information in database on SNP's found in the same amino acid position

Column P: Minor allele frequency in dbSNP

References:

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4. Choi, Y., Sims, G.E., Murphy, S., Miller, J.R., Chan, A.P. 2012. Predicting the functional effect of amino acid substitutions and indels. *PLoS ONE* 7, e46688.
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