

Functional differences among BRCA1 missense mutations in the control of centrosome duplication

Running title: BRCA1 missense mutants and the centrosome

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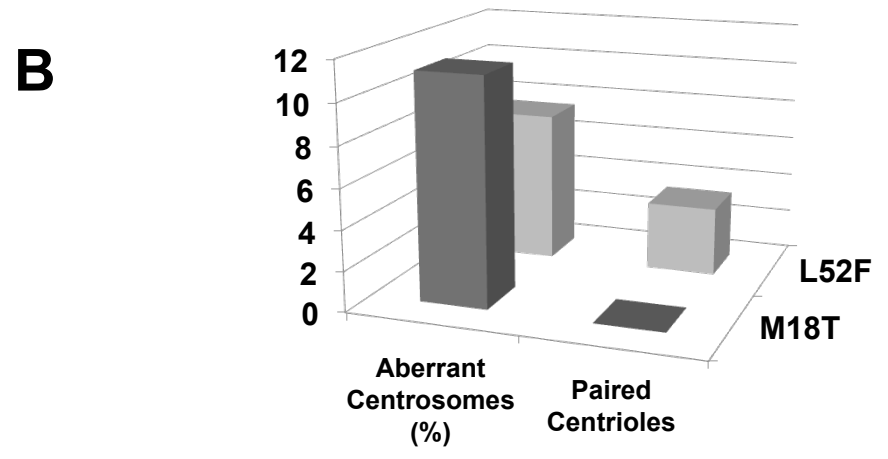
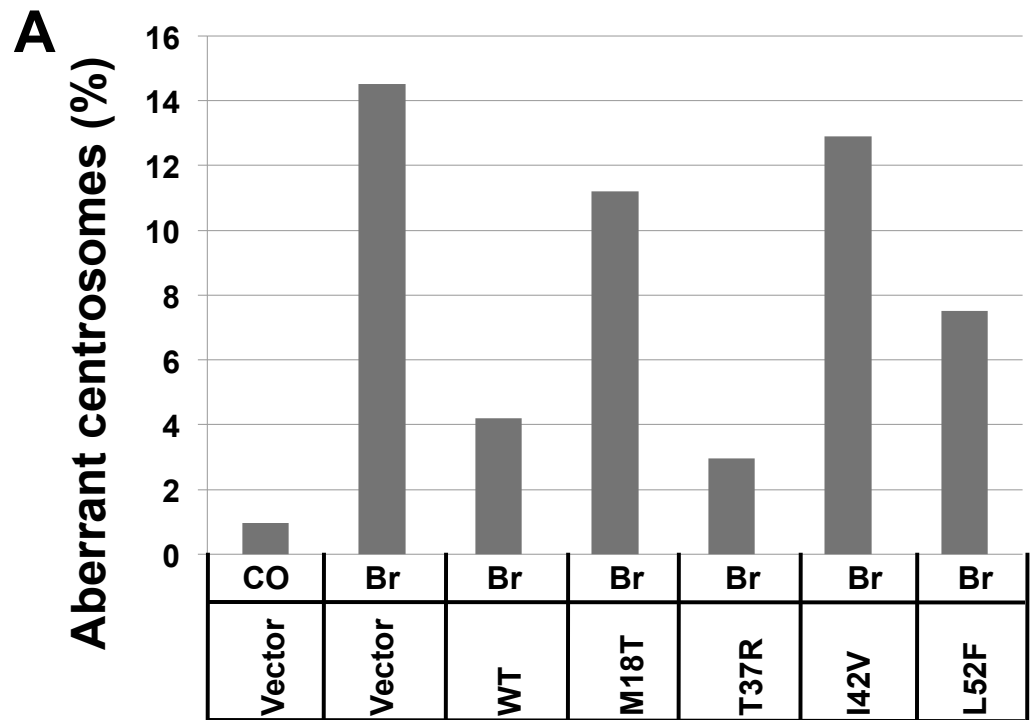
SUPPLEMENTARY INFORMATION

Supplementary Figure S1

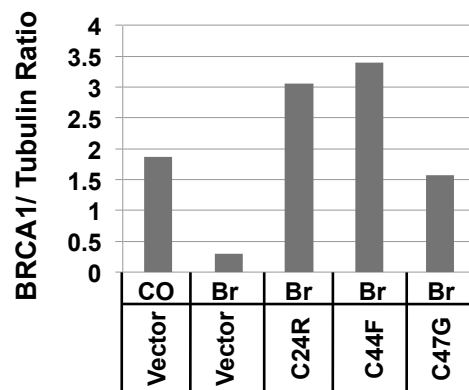
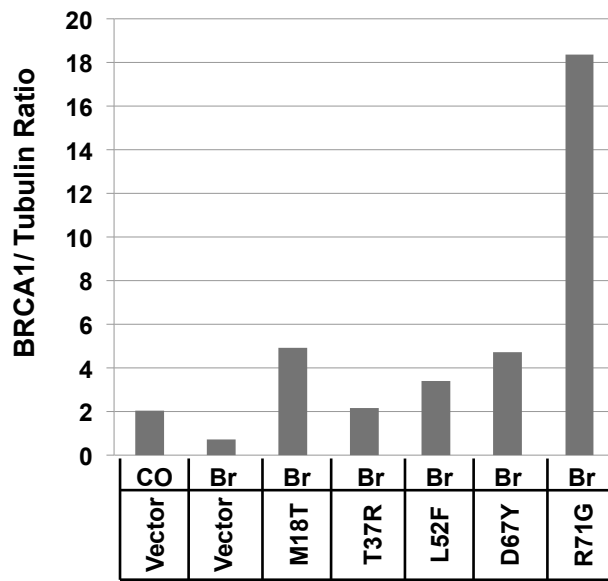
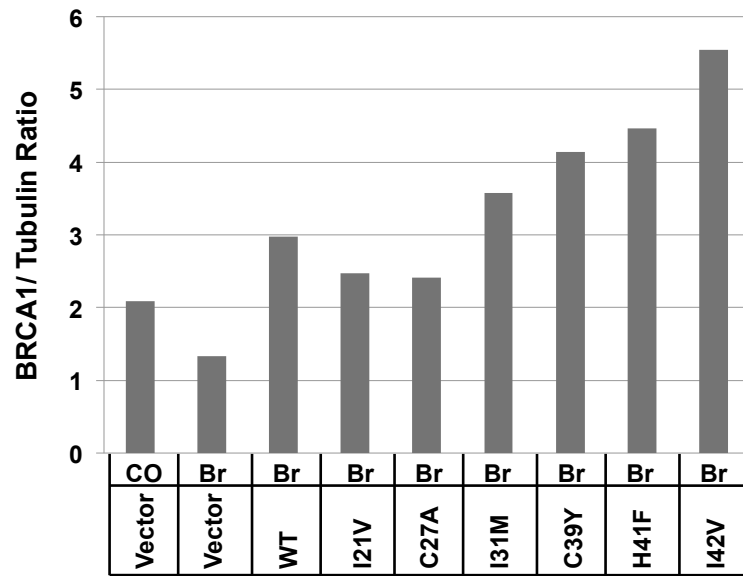
- A.** Results of the centrosome amplification assay with BRCA1 substitution variants. Control or BRCA1 3'-UTR siRNA were transfected into MCF7 cells along with GFP-Centrin 2 and the indicated BRCA1 mutant plasmid. The Histogram shows the percentage of MCF7 cells with centrosome amplifications after the substitution of BRCA1 with the indicated BRCA1 variant.
- B.** A histogram showing the number of MCF7 cells with centrosome amplification that also had paired centrioles upon the introduction of the L52F variant as compared to the M18T variant.

Supplementary Figure S2

Quantitative densitometry of the protein expression level of BRCA1 normalized to tubulin protein expression.



Supp. Figure S1



Supp. Figure S2