Table S2. Enriched GO term categories and pathways (P-value less than 0.05) involving EPHA3, ERBB4 and BRCA1.

EPHA3-and ERBB4-related molecular functions by GO analysis	GO term/pathway id
Receptor activity	GO:0004872
Transmembrane receptor activity	GO:0004888
Molecular transducer activity	GO:0060089
Signal transducer activity	GO:0004871
EPHA3-related biological processes by GO analysis	
multi-organism process	GO:0051704
EPHA3-related pathways by KEGG pathway analysis	
Axon guidance	KEGG ID:4360
ERBB4-related pathways by KEGG pathway analysis	
Calcium signaling pathway	KEGG ID:4020
BRCA1-related pathways by pathway commons analysis	
Homologous recombination repair of replication-independent double-strand	
breaks	DB_ID:433
ATM mediated response to DNA double-strand break	DB_ID:435
Homologous Recombination Repair	DB_ID:432
Double-Strand Break Repair	DB_ID:767

Enrichment analysis was performed using the Web-based Gene Set Analysis Toolkit V2 (WebGestalt2) [1].

References

1. Zhang B, Kirov S, Snoddy J. (2005) WebGestalt: An integrated system for exploring gene sets in various biological contexts. Nucleic Acids Res 33: W741-8.