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(54) Title: G-PROTEIN COUPLED RECEPTORS

SAMPLE		DNA COPY
DUKE BREAST TUMORS		GPCR3
d47	90-325	10.2
d45	90-183	8.2
d99	96-194	7.8
d152	93-627	7
d164	90-282	7
d88	89-173	6.6
d25	88-595	5.9
d140	89-892	5
d113	95-246	5
d39	89-754	4.7
d27	88-647	4.4
d58	90-864	3.7
d80	94-804	2.7
FREQUENCY		15%
BREAST CANCER CELL LINES		
bre1	ala 8	2.2
bre3	8T474	3.4
bre25	MDA-MB-453	3
bre31	ZR-75-1	6.3
FREQUENCY		14%

(57) Abstract: The invention provides isolated nucleic acid and amino acid sequences of four novel G-protein coupled receptors that are amplified in breast cancer cells, antibodies to such receptors, methods of detecting such nucleic acids and receptors, and methods of screening for modulators of G-protein coupled receptors.

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