

ADDITIONAL FILE

The mitochondrial transporter SLC25A43 is frequently deleted and may influence cell proliferation in HER2-positive breast tumours

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Additional file Table 1 Primer sequences used for PCR in the mutation analysis of the *SLC25A43* gene.

Exon	Forward (5'→3')	Reverse (5'→3')
1A	GCCAGGCTAGGGCGTAGA	CTTTGGCCGCCTGTCAGT
1B	ACTGACAGGCGGCCAAAG	GGCTCTTACTTGCGGTAGGC
2	GCCTTTCCCCCTATTTTCTC	GGACAAGGTGAAAAGGTCCA
3	CTTCTCCCTGGCCTTGTTT	CCCCACTCTGATAACTCCTCA
4	TGGGAGCATTCACAGGAAGT	GGCACCATTCTTACCCTCAA
5	TCCCAGCTTCTGTTTCCTGT	GAGGCTGGTGGCTCTTCTC
6	TTGATTTTCATTTTGGTTTAAACA	TGAGGCTACATTTATCTGTGATTG

Additional file Table 2 Genomic positions and size of deletion at Xq24 in HER2-positive breast cancer cases as revealed by the whole genome array (Based on *Homo sapiens* build 37.3).

Patient ID	Start	Size loss (kBp)
2	118504.82	110.559
3	118148.23	551.091
5	118419.195	280.126
6	118504.82	110.559
8	118419.195	196.184
9	118504.82	110.559
10	118504.82	110.559
11	118348.041	351.28
12	118419.195	196.184
13	118504.82	110.559
14	118504.82	110.559
15	118419.195	280.126
16	118504.82	110.559
17	118504.82	110.559
19	118504.82	110.559
20	118504.82	110.559
21	118419.195	196.184
22	117442.441	1388.026
23	118419.195	280.126
24	118504.82	194.501

Additional file Table 3 List of genes deleted at Xq24 in HER2-positive breast cancer as revealed by the whole genome array.

No of Patients	Gene in the deleted locus	References*
20	<i>SLC25A43</i>	-
20	<u><i>SLC25A5</i></u>	[1, 2]
5	<i>CXorf56</i>	-
3	<u><i>PGRMC1</i></u>	[3, 4]
2	<i>KIAA1210</i>	[5]
2	<i>LONRF3</i>	-
1	<i>ZCCHC12</i>	[6]
1	<i>IL13RA1</i>	[7, 8]
1	<i>DOCK11</i>	[9]
1	<i>WDR44</i>	-
1	<i>UBE2A</i>	-
1	<i>NKRF</i>	[10]
1	<i>MIR766</i>	-
1	<i>SEPT6</i>	[11, 12]

*References for the genes that are previously implicated in **breast cancer** and **other cancers**

Additional file References

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