



## OncoSELECT - Breast Cancer



### TARGETED HOTSPOT

GENE	CODON	PREDICTS RESPONSE TO
<b>ERBB2</b>	309	HER2-inhibitors
<b>AKT1</b>	17	mTOR-inhibitors, AKT-inhibitors
<b>PIK3CA</b>	542/545/1047	HER2-inhibitors, mTOR-inhibitors, PIK3CA-inhibitors, anti-ER

### TARGETED WHOLE EXON

GENE	EXON	PREDICTS RESPONSE TO
<b>mTOR</b>	Ex19/30/39/40/43/44/45/47/48/53/56	mTOR-inhibitors
<b>PTEN</b>	1/2/3/4/5/6/7/8/9	mTOR-inhibitors
<b>ERBB2</b>	19/20/21/22	HER2-inhibitors
<b>ESR1</b>	5/6/7/8	anti-ER, aromatase-inhibitors
<b>PIK3CA</b>	2/5/6/8/10/21	HER2-inhibitors, mTOR-inhibitors, PIK3CA-inhibitors, anti-ER

### COPY NUMBER VARIATION

GENE	SENSITIVITY	PREDICTS RESPONSE TO
<b>ERBB2</b>	6 copies	HER2-inhibitors
<b>FGFR1</b>	6 copies	anti-FGFR1
<b>PIK3CA</b>	6 copies	HER2-inhibitors, mTOR-inhibitors, PIK3CA-inhibitors, anti-ER

