

Table SI. List of gene mutations.

Genes	n (%)
EGFR	0 (0.0)
ALK	0 (0.0)
ROS1	0 (0.0)
BRAF V600E	0 (0.0)
KRAS	24 (21.8)
PIK3CA	13 (11.8)
RET	12 (10.9)
TSC1	12 (10.9)
PTEN	10 (9.1)
HER2	9 (8.2)
DDR2	8 (7.3)
MET	7 (6.4)
FGFR	4 (3.6)
SMO	4 (3.6)
KIT	3 (2.7)
PDGFRA	3 (2.7)
HRAS	1 (0.9)
FGFR2	1 (0.9)
AKT1	1 (0.9)
NRAS	1 (0.9)
MEK1	1 (0.9)
TP53	1 (0.9)
GNA11	1 (0.9)

KRAS, Kirsten rat sarcoma viral oncogene homolog; PIK3CA, phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha; RET, rearranged during transfection; TSC1, tuberous sclerosis complex 1; PTEN, phosphatase and tensin homolog; HER2, human epidermal growth factor receptor 2; DDR2, discoidin domain receptor 2; MET, mesenchymal to epithelial transition factor; FGFR, fibroblast growth factor receptor; SMO, smoothened, frizzled class receptor; KIT, KIT proto-oncogene, receptor tyrosine kinase; PDGFRA, platelet derived growth factor receptor alpha; HRAS, Harvey rat sarcoma virus oncogene; FGFR2, fibroblast growth factor receptor 2; AKT1, AKT serine/threonine kinase 1; NRAS, neuroblastoma RAS viral oncogene homolog; MEK1, mitogen-activated extracellular signal-regulated kinase 1; TP53, tumor protein p53; GNA11, G protein subunit alpha 11.