**Figure S1**

663

799

(54.3%)

1922

(71.6%)

94

70

(40.2%)

5

5

***PIK3CA*-MT**

**N=1472**

***AKT1*-MT**

**N=174**

***PTEN*-MT**

**N=2684**

**Figure S1.** *PIK3CA, AKT1, PTEN* alteration and co-alteration frequency