Reviewer's report

Title: Multiple Gene Aberrations and Breast Cancer: Lessons from Super-Responders

Version: 4 Date: 8 December 2014

Reviewer: Kevin Kalinsky

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Minor Essential Comments

Line 21: Need to need comma after next generation sequencing
Line 26: As all tumors are HER2 negative, would mention then prior to “hormone therapy-refractory”
Line 32: As all the tissue was from primary breast tumors… Would start line with “Primary breast tissue was available…”
Line 33: Would put parenthesis for NGS here
Line 65: Can remove space prior to “and five”
Lines 83, 95, 224 – PTEN expression: How was PTEN positivity defined?
Line 110: No need to redefine AI and mTOR inhibitor here
Line 150; Can remove “Recently”
Line 168: Would just add “in HER2 positive breast tumors” as the authors are switching subtype of breast cancer being discussed
Line 175 – may want to put in citation demonstrating, for instance, pik3ca mutations identified in primary breast tumors being selected for in matched metastatic tumors
Table: Prior Treatment with Aromatase Inhibitor – This in the metastatic setting for patient #3? Would clarify
Supplementary table: Can the mutation data be any more specific? For instance, the location of the PIK3CA mutation?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests: 

No conflicts