Supplementary Table S3. Thyroid carcinomas with mutations involving PI3K/AKT pathway

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| PI3K/AKT pathway mutation | Co-mutation(s) | Gender | Race/ Ethnic | Age (yrs) | Diagnosis | Site tested | Sample Type | Disease extent at testing |
| *AKT1* E17K | *KRAS* Q61R  | M | C | 59 | Papillary | Thyroid | Primary | DM |
| *AKT1* E17K  | *BRAF* V600E  | M | A | 48 | Papillary | Thyroid | Primary | DM |
| *ERBB2* V773M  | *KRAS* G12V | F | H | 29 | Poorly differentiated | Neck ST | Recur | DM |
| *PIK3CA* H1047R | *BRAF* V600E | M | C | 25 | Papillary | Thyroid | Recur | DM |
| *PIK3CA* H1047R | *BRAF* V600E | M | H | 75 | Papillary | LN | Regional | DM |
| *PIK3CA* M1043I | *BRAF* V600E | M | H | 34 | Papillary | Tracheal | Recur | DM |
| *PIK3CA* M1043I | *BRAF* V600E *TP53* Q192\* | F | C | 46 | Papillary | Bone | DM | DM |
| *PIK3CA* N1044K |  | M | C | 72 | Papillary | Neck ST | Recur | Recur |
| *PIK3CA* Q546K |   | M | C | 29 | Poorly differentiated | Thyroid | Primary | DM |

A, African American; C, Caucasian; F, female; H, Hispanic; LN, lymph node; M, Male; Recur, recurrence; ST, soft tissue; yrs, years