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| **SUPPLEMENTARY TABLE 1.** Samples with Concurrent Mutations detected by LungCarta screening (n=6, 6.7% of 90 samples screened) |
| **Sample histology** | **No. of concurrent mutations** | **Mutations detected in each sample with multiple alterations** |
| NSCLC NOS | 3 | KRAS G12C, TP53 R273C, TP53 R248W |
| SCC | 3 | STK11 Y272Y*a*, TP53 R175H, TP53 G245S |
| SCC | 2 | KRAS Q61H, TP53 Y220C |
| ADC | 2 | EGFR V774M, EGFR S768I |
| ADC | 2 | MET N375S*b*, KRAS G12V |
| ADC | 2 | MAP2K1 Q56P, TP53 R248L |
| *a*The Y272Y variant has been reported as a silent substitution c.816C>T[51](#_ENREF_51)*b*The N375S variant has been reported as a germline missense substitution[50](#_ENREF_50)NSCLC, non small cell lung cancer; NOS, not otherwise specified; SCC, squamous cell carcinoma; ADC, adenocarcinoma. |