| | | ICGC | TCGA |
|--------------------------|--------------------------|--------------------|--------------------|
| Number of patients | | 242 | 178 |
| Age at diagnosis (years) | | 67 (10.6) | 65 (11) |
| Gender | Female | 110 (45%) | 80 (45%) |
| | Male | 132 (55%) | 97 (55%) |
| Survival | Data available | 240 (99%) | 177 (99%) |
| | Overall Surival (months) | 15 (9 to 25) | 15 (9 to 22) |
| Vital Status | Alive | 94 (39%) | 85 (48%) |
| | Dead | 146 (61%) | 92 (52%) |
| Stage | | IA/IB: 3 (1%) | IA/IB: 21 (12%) |
| | | T2: 3 (1%) | IIA: 28 (16%) |
| | | T3: 4 (2%) | IIB: 118 (67%) |
| | | Unknown: 230 (96%) | III/IV: 4 (2%) |
| | | | IV: 4 (2%) |
| | | | Unknown: $2 (1\%)$ |
| Radiation Treatment | Unknown | - | 32 (18%) |
| | Yes | - | 101 (57%) |
| | No | - | 44~(25%) |
| Targeted Therapy | Unknown | - | 89 (50%) |
| | Yes | - | 46 (26%) |
| | No | - | 42 (24%) |
| Disease Processes | Cell Cycle | 90 (38%) | 73 (41%) |
| | Hedgehog/Wnt | 37 (15%) | 45 (25%) |
| | Notch | $113 \ (47\%)$ | 59 (33%) |

Table S2: Summary of clinical features in the ICGC and TCGA cohorts. Data are mean (SD), median (OQR), n (%) or n.