### Supplemental Figures

#### Supplemental figure 1: Cohort attrition



\*Abstracted HER2 test result for IHC, ISH, or method NOS.

Abbreviations: 1L, first-line; adv, advanced; CGDB, clinico-genomic database; CGP, comprehensive genomic profiling; FH, Flatiron Health; FMI, Foundation Medicine Inc; EG, esophagogastric; HER2, human epidermal growth factor receptor-2; IHC, immunohistochemistry; ISH, in situ hybridization; NOS, not otherwise specified; Q1, first quarter.

#### Supplemental Figure 2: TTD and OS by IHC status for HER2 ISH+ patients with IHC results (n = 38)

**TTD**



**Survival Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **Patients** | **Number of patients** | **Median TTD** | **95% CI (lower)** | **95% CI (upper)** |
| IHC positive (3+) | 16 | 15 | 4.27 | 0.03 | 15.08 |
| IHC equivocal (2+) | 18 | 17 | 0.76 | 0.30 | 6.90 |
| IHC negative (0-1+) | 4 | 4 | 1.76 | 0.03 | NA |

Abbreviations: CI, confidence interval; IHC, immunohistochemistry; NA, not applicable; OS, overall survival; TTD, time-to-treatment discontinuation.

**OS**



**Survival Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **Patients** | **Number of patients** | **Median OS** | **95% CI (lower)** | **95% CI (upper)** |
| IHC positive (3+) | 16 | 9 | 13.47 | 12.25 | NA |
| IHC equivocal (2+) | 18 | 12 | 8.77 | 7.03 | 22.37 |
| IHC negative (0-1+) | 4 | 1 | NA | 11.33 | NA |

Abbreviations: CI, confidence interval; IHC, immunohistochemistry; NA, not applicable; OS, overall survival; TTD, time-to-treatment discontinuation.

#### Supplemental figure 3: TTD and OS by *KRAS* status

**TTD**



**Survival Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **Patients** | **Number of patients** | **Median TTD** | **95% CI (lower)** | **95% CI (upper)** |
| KRAS mut | 19 | 18 | 1.45 | 0.95 | 5.13 |
| KRAS WT | 123 | 122 | 1.74 | 0.72 | 4.27 |

Abbreviations: CI, confidence interval; mut, mutated; WT, wild type.

**OS**



**Survival Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group** | **Patients** | **Number of patients** | **Median OS** | **95% CI (lower)** | **95% CI (upper)** |
| KRAS mut | 19 | 13 | 7.03 | 5.22 | NA |
| KRAS WT | 123 | 83 | 10.81 | 8.67 | 14.16 |

Abbreviations: CI, confidence interval; mut, mutated; WT, wild type.