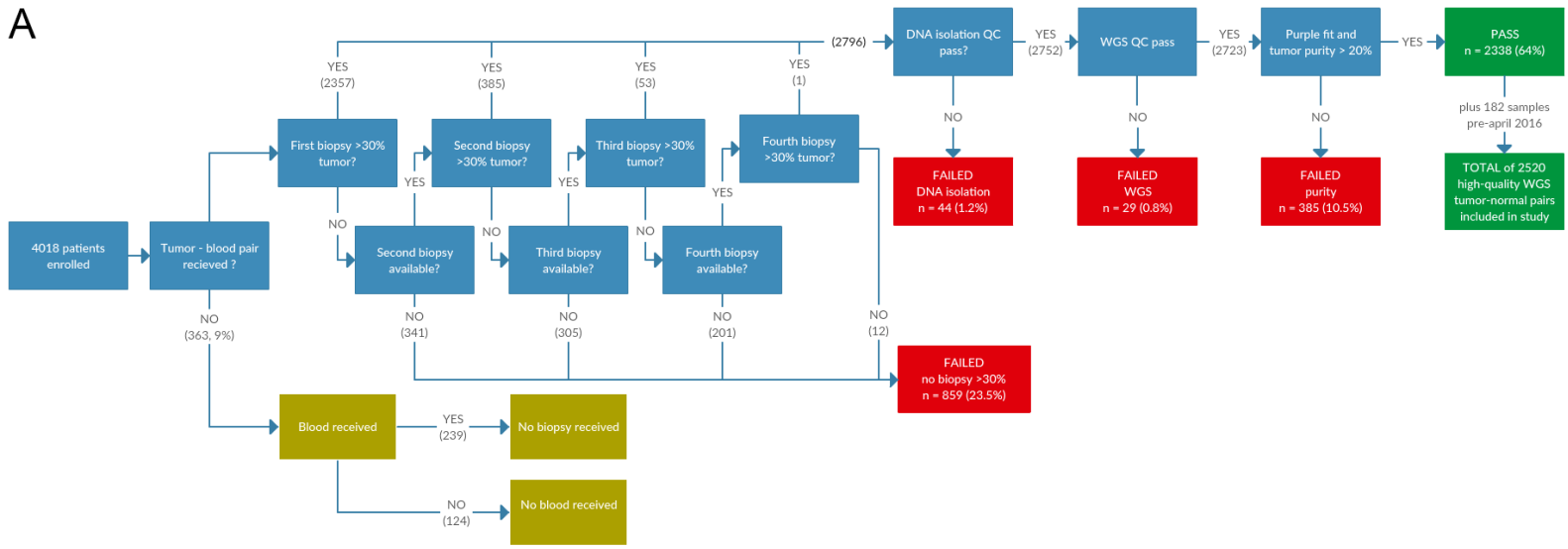
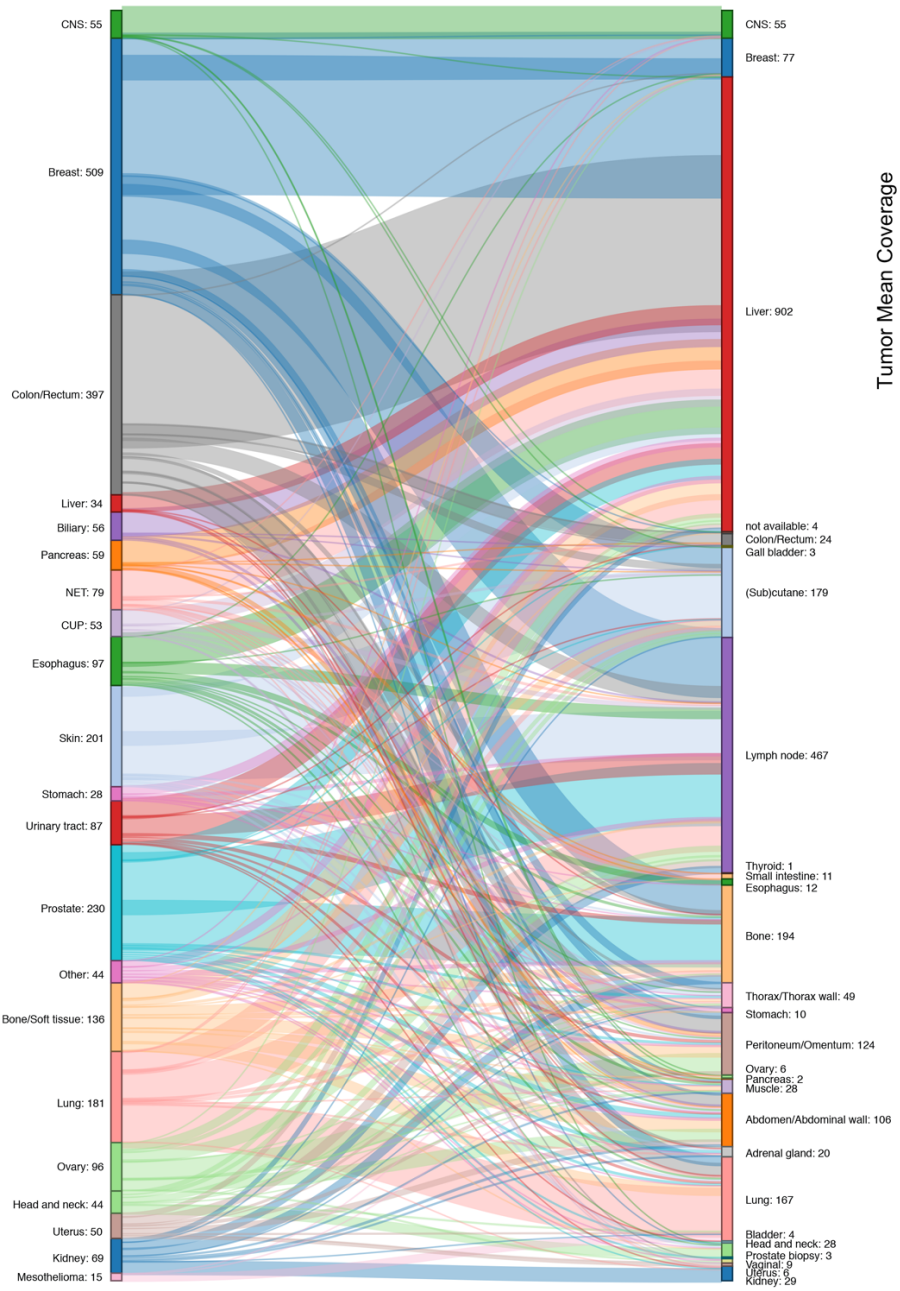
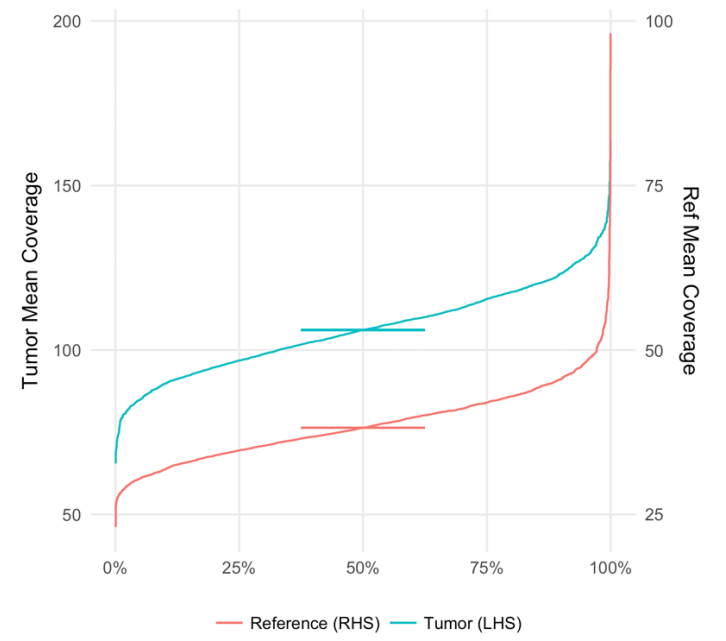

A
4018 patients enrolled
Tumor - blood pair recieved ?
NO (363, 9%)
First biopsy >30% tumor?
YES (2357)
NO
Second biopsy available?
NO (341)
Second biopsy >30% tumor?
YES (385)
NO
Third biopsy available?
NO (305)
Third biopsy >30% tumor?
YES (53)
NO
Fourth biopsy available?
NO (201)
Fourth biopsy >30% tumor?
YES (1)
NO (12)
(2796)
DNA isolation QC pass?
NO
FAILED DNA isolation n = 44 (1.2%)
YES (2752)
WGS QC pass
NO
FAILED WGS n = 29 (0.8%)
YES (2723)
Purple fit and tumor purity > 20%
NO
FAILED purity n = 385 (10.5%)
YES
PASS n = 2338 (64%)
plus 182 samples pre-april 2016
TOTAL of 2520 high-quality WGS tumor-normal pairs included in study
FAILED no biopsy >30% n = 859 (23.5%)
Blood received
YES (239)
No biopsy received
NO (124)
No blood received


B
CNS: 55
Breast: 509
Colon/Rectum: 397
Liver: 34
Biliary: 56
Pancreas: 59
NET: 79
CUP: 53
Esophagus: 97
Skin: 201
Stomach: 28
Urinary tract: 87
Prostate: 230
Other: 44
Bone/Soft tissue: 136
Lung: 181
Ovary: 96
Head and neck: 44
Uterus: 50
Kidney: 69
Mesothelioma: 15
CNS: 55
Breast: 77
Liver: 902
not available: 4
Colon/Rectum: 24
Gall bladder: 3
(Sub)cutane: 179
Lymph node: 467
Thyroid: 1
Small intestine: 11
Esophagus: 12
Bone: 194
Thorax/Thorax wall: 49
Stomach: 10
Peritoneum/Omentum: 124
Ovary: 6
Pancreas: 2
Muscle: 28
Abdomen/Abdominal wall: 106
Adrenal gland: 20
Lung: 167
Bladder: 4
Head and neck: 28
Prostate biopsy: 3
Vaginal: 9
Uterus: 6
Kidney: 29


C
Tumor Mean Coverage
Ref Mean Coverage
200
150
100
50
100
75
50
25
0%
25%
50%
75%
100%
Reference (RHS)
Tumor (LHS)