

Supplemental Table 1: Summary statics of the percentage of tumor cells detected with QuPath in the first ring trial. The column on the far right (Visual) represents the percentage assigned by visual evaluation. IQR: interquartile range; WSI: whole slide image.

	Median	IQR	Min	Max	Mean	Visual
WSI 1	46.9	17.4	35.9	59.9	47.2	40
WSI 2	46.8	7.5	13.7	64.0	45.2	50
WSI 3	39.2	23.5	5.1	73.8	44.5	70
WSI 4	19.7	5.4	14.9	92.2	26.6	20

Supplemental Table 2: Summary statics of the percentage of tumor cells detected with QuPath in the first ring trial. The column on the far right (Visual) represents the percentage assigned by visual evaluation. IQR: interquartile range; WSI: whole slide image.

	Median	IQR	Min	Max	Mean	Visual	NGS alteration
WSI 1	37.9	4.7	22.4	61.5	38.2	35	Yes
WSI 2	15.1	12.2	5.7	44.3	19.6	20	Yes
WSI 3	27.8	15.3	14.3	48.9	28.1	40	Yes
WSI 4	49.6	19.6	26.7	78.7	50.2	65	No
WSI 5	30.9	17.3	9.0	61.0	33.2	50	No
WSI 6	40.4	9.6	25.5	63.7	41.2	60	No
WSI 7	43.2	13.4	21.3	83.5	45.5	40	No
WSI 8	59.6	12.1	42.2	82.2	59.4	80	No
WSI 9	29.9	19.8	15.8	45.4	29.3	10	Yes
WSI 10	33.4	44.9	11.4	82.8	39	20	Yes