

De-ID Patient #	Percent ER+		Stain Intensity	Allred Score	Histological Score	# of vessels per unit area (um2)	Maximum Vessel Area (um2)	Mean Vessel Area (um2)	Mean Vessel Perimeter (um)	Mean Lumen Area (um2)	Necrotic Area per Tumor Area
	ER+ or ER-	cells									
Patient 1	-	0	0	0	0	2.12E-04	1301	197.3	91.5	47.5	23.1
Patient 2	-	0	0	0	0	7.97E-05	153	63.1	41.4	7.7	69.3
Patient 3	-	0	0	0	0	3.67E-04	2127	224.4	107.4	21.2	<.5
Patient 4	-	0	0	0	0	5.19E-05	329	102.8	58.2	8.2	16.2
Patient 5	-	0	0	0	0	1.14E-03	12195	287.9	141.5	34.4	22.4
Patient 6	-	0	0	0	0	1.56E-03	8609	178.0	82.9	28.9	14.9
Patient 7	+	90	1+ to 3+	6	150	6.19E-04	13082	482.8	195.7	72.3	33.7
Patient 8	+	95	1+ to 3+	7	155	4.35E-04	4560	307.4	142.1	44.6	1.1
Patient 9	+	95	1+ to 3+	7	165	8.38E-04	12672	282.1	122.8	40.4	<.5
Patient 10	+	90	2+	7	170	7.23E-04	14879	347.7	153.3	34.8	22.1
Patient 11	+	100	1+ to 3+	8	200	4.79E-05	1784	368.6	138.2	33.3	4.7
Patient 12	+	95	1+ to 3+	7	240	5.39E-04	6274	267.6	107.4	61.5	<.5
Patient 13	+	100	2+ to 3+	8	260	5.59E-05	7927	671.4	258.4	16.5	5.2
Patient 14	+	90	3+	8	270	9.18E-04	19704	465.8	191.7	23.2	2.5
Patient 15	+	90	3+	8	270	7.66E-04	16094	341.9	130.9	21.7	<.5
Patient 16	+	100	2+ to 3+	8	270	4.67E-04	1712	178.8	98.7	40.4	1.6
Patient 17	+	100	2+ to 3+	8	270	7.27E-04	19485	436.3	174.1	29.3	<.5
Patient 18	+	100	2+ to 3+	8	280	8.26E-04	4379	221.2	110.9	65.8	<.5
Patient 19	+	100	3+	8	300	2.35E-04	1619	172.4	80.6	30.9	3.9
Patient 20	+	100	3+	8	300	8.78E-05	3673	312.2	152.3	17.6	<.5
Patient 21	+	100	3+	8	300	5.03E-04	8258	271.8	115.1	47.7	<.5
Patient 22	+	100	3+	8	300	4.87E-04	17390	373.7	158.7	52.3	<.5
Patient 23	+	100	3+	8	300	7.74E-04	14857	512.3	234.2	58.8	<.5
Patient 24	+	100	3+	8	300	7.03E-04	11188	438.0	156.7	40.9	<.5
Neg control	NA	NA	NA	NA	NA	1.72E-04	2207	116.1	59.3	6.3	NA
Pos control	NA	NA	NA	NA	NA	9.78E-04	11836	345.8	156.3	22.4	NA

**Table 2. Quantification metrics for all patients**