

**S10 Table.** Summary of RSeQC

Sample	Total records	QC failed	Optical/PCR duplicate	Non-primary hit	Unmapped reads	Mapq $\geq$ mapq_cut (unique)	Read 1	Read 2	Reads map to '+'	Reads map to '-'	Non-splice reads	Splice reads	Proper -paired reads map to different chrom
S4	0	3.70	12.31	15.92	7.96	7.96	7.96	7.96	12.76	3.16	15.92	0	0
Y1	0	5.41	6.03	38.03	19.01	19.01	19.01	19.01	33.42	4.60	38.03	0	0
Y3	0	12.52	8.84	20.06	10.03	10.03	10.03	10.03	15.58	4.48	20.06	0	0
Y5	0	14.21	6.41	23.13	11.57	11.57	11.57	11.57	17.99	5.14	23.13	0	0
Y8	0	13.07	11.10	18.22	9.11	9.11	9.11	9.11	13.03	5.19	18.22	0	0
YF01	0	18.26	11.74	56.31	28.16	28.16	28.16	28.16	45.18	11.14	56.31	0	0
YF02	0	23.13	7.04	68.31	34.16	34.16	34.16	34.16	50.90	17.42	68.31	0	0
YF04	0	9.81	5.80	48.58	24.29	24.29	24.29	24.29	36.26	12.33	48.58	0	0
YF05	0	17.96	7.45	73.32	36.66	36.66	36.66	36.66	58.58	14.74	73.32	0	0
YF06	0	21.94	3.81	68.14	34.07	34.07	34.07	34.07	56.65	11.49	68.14	0	0
YF07	0	14.88	8.13	76.48	38.24	38.24	38.24	38.24	67.63	8.85	76.48	0	0
YF08	0	29.66	3.76	84.41	42.20	42.20	42.20	42.20	62.54	21.87	84.41	0	0
YF10	0	29.39	6.04	70.28	35.14	35.14	35.14	35.14	59.84	10.44	70.28	0	0
YF12	0	30.99	4.86	66.56	33.28	33.28	33.28	33.28	50.87	15.70	66.56	0	0
YF13	0	6.47	6.75	38.10	19.05	19.05	19.05	19.05	27.51	10.59	38.10	0	0
YF14	0	7.83	8.96	23.71	11.86	11.86	11.86	11.86	16.75	6.96	23.71	0	0
YF15	0	4.29	9.58	26.50	13.25	13.25	13.25	13.25	20.59	5.91	26.50	0	0
YF16	0	4.77	4.02	27.90	13.95	13.95	13.95	13.95	22.95	4.96	27.90	0	0
YF17	0	5.46	6.30	31.13	15.57	15.57	15.57	15.57	24.57	6.56	31.13	0	0

YF18	0	5.40	4.26	35.31	17.66	17.66	17.66	17.66	26.06	9.25	35.31	0	0
YF19	0	6.56	6.23	35.43	17.72	17.72	17.72	17.72	27.18	8.25	35.43	0	0
YF20	0	10.15	12.59	29.88	14.94	14.94	14.94	14.94	23.01	6.87	29.88	0	0
YF21	0	5.11	7.65	30.31	15.16	15.16	15.16	15.16	23.16	7.15	30.31	0	0
YF22	0	4.01	7.33	24.96	12.48	12.48	12.48	12.48	19.68	5.27	24.96	0	0
YF23	0	7.46	3.52	36.53	18.27	18.27	18.27	18.27	26.21	10.32	36.53	0	0
YF24	0	4.87	2.66	37.55	18.78	18.78	18.78	18.78	27.71	9.84	37.55	0	0
YF25	0	6.07	2.41	44.42	22.21	22.21	22.21	22.21	32.29	12.14	44.42	0	0
YF26	0	4.80	8.34	33.17	16.59	16.59	16.59	16.59	28.66	4.51	33.17	0	0
YF27	0	4.38	8.13	30.00	15.00	15.00	15.00	15.00	24.89	5.11	30.00	0	0

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Mapq, mapping quality; QC, quality control.