

S3 Table. Percentage of WT sequence recall with Fast basecalled data across a range of Filtong thresholds.

Target	Filtong threshold	Whole interval					Interval filtered for 5+ base homopolymers					Interval filtered for 4+ base homopolymers							
		50%	60%	70%	80%	90%	100%	50%	60%	70%	80%	90%	100%	50%	60%	70%	80%	90%	100%
64305ZF11Rk	84	99.71	99.48	99.19	97.27	89.50	0.35	100.00	99.82	99.70	98.19	90.49	0.36	100.00	99.94	99.81	98.55	91.38	0.38
Acvz2b	84	99.62	99.20	98.03	95.68	83.65	0.28	99.95	99.71	98.64	96.46	84.47	0.29	100.00	99.95	99.33	97.58	85.85	0.31
Clm2	84	99.72	99.44	99.01	96.69	88.45	0.42	100.00	99.85	99.49	97.24	88.98	0.44	100.00	100.00	99.85	97.94	89.63	0.46
Cx3d1	84	99.60	99.26	98.86	97.38	89.25	0.40	99.93	99.72	99.38	98.20	90.22	0.42	100.00	99.93	99.64	98.62	91.07	0.44
Ipp5k	84	99.90	99.53	99.00	97.35	88.24	0.35	100.00	99.64	99.17	97.51	88.43	0.36	100.00	99.88	99.57	98.15	89.43	0.37
Mpeg1	84	99.74	99.36	98.60	97.70	86.97	0.77	100.00	99.61	98.96	98.05	87.63	0.78	100.00	99.86	99.72	99.03	88.67	0.83
64305ZF11Rk	85	99.71	99.48	99.19	97.33	89.56	0.35	100.00	99.82	99.70	98.19	90.55	0.36	100.00	99.94	99.81	98.55	91.45	0.38
Acvz2b	85	99.62	99.15	98.07	95.68	83.84	0.28	99.95	99.66	98.69	96.46	84.66	0.29	100.00	99.95	99.33	97.58	86.06	0.31
Clm2	85	99.72	99.44	99.01	96.69	88.59	0.42	100.00	99.85	99.49	97.24	89.12	0.44	100.00	100.00	99.85	97.94	89.78	0.46
Cx3d1	85	99.60	99.33	98.86	97.38	89.31	0.40	99.93	99.72	99.38	98.20	90.28	0.42	100.00	99.93	99.64	98.62	91.14	0.44
Ipp5k	85	99.94	99.53	99.00	97.35	88.24	0.35	100.00	99.64	99.17	97.51	88.43	0.36	100.00	99.88	99.57	98.15	89.43	0.37
Mpeg1	85	99.74	99.36	98.60	97.70	86.97	0.77	100.00	99.61	98.96	98.05	87.63	0.78	100.00	99.86	99.72	99.03	88.67	0.83
64305ZF11Rk	86	99.71	99.48	99.19	97.33	89.62	0.35	100.00	99.82	99.70	98.19	90.61	0.36	100.00	99.94	99.81	98.55	91.51	0.38
Acvz2b	86	99.62	99.20	98.07	95.68	83.94	0.28	99.95	99.71	98.69	96.46	84.76	0.29	100.00	99.95	99.33	97.58	86.16	0.31
Clm2	86	99.72	99.44	99.01	96.76	88.87	0.42	100.00	99.85	99.49	97.32	89.34	0.44	100.00	100.00	99.85	98.02	90.01	0.46
Cx3d1	86	99.60	99.33	98.86	97.38	89.45	0.40	99.93	99.72	99.38	98.20	90.42	0.42	100.00	99.93	99.64	98.62	91.29	0.44
Ipp5k	86	99.94	99.53	99.00	97.35	88.42	0.35	100.00	99.64	99.17	97.51	88.61	0.36	100.00	99.88	99.57	98.15	89.56	0.37
Mpeg1	86	99.74	99.36	98.60	97.70	87.10	0.77	100.00	99.61	98.96	98.05	87.76	0.78	100.00	99.86	99.72	99.03	88.81	0.83
64305ZF11Rk	87	99.71	99.48	99.19	97.33	89.73	0.35	100.00	99.82	99.70	98.19	90.73	0.36	100.00	99.94	99.81	98.55	91.57	0.38
Acvz2b	87	99.62	99.20	98.07	95.73	84.12	0.28	99.95	99.71	98.69	96.50	84.95	0.29	100.00	99.95	99.33	97.63	86.32	0.31
Clm2	87	99.72	99.44	99.01	96.83	89.15	0.42	100.00	99.85	99.49	97.39	89.63	0.44	100.00	100.00	99.85	98.09	90.31	0.46
Cx3d1	87	99.60	99.33	98.86	97.45	89.63	0.40	99.93	99.72	99.38	98.27	90.70	0.42	100.00	99.93	99.64	98.62	91.58	0.44
Ipp5k	87	99.94	99.53	99.00	97.41	88.65	0.35	100.00	99.64	99.17	97.57	88.85	0.36	100.00	99.88	99.57	98.21	89.80	0.37
Mpeg1	87	99.74	99.36	98.60	97.70	87.23	0.77	100.00	99.61	98.96	98.05	87.89	0.78	100.00	99.86	99.72	99.03	88.95	0.83
64305ZF11Rk	88	99.71	99.48	99.19	97.33	89.85	0.35	100.00	99.82	99.70	98.19	90.85	0.36	100.00	99.94	99.81	98.55	91.70	0.38
Acvz2b	88	99.62	99.20	98.07	95.73	84.50	0.28	99.95	99.71	98.69	96.50	85.34	0.29	100.00	99.95	99.33	97.63	86.73	0.31
Clm2	88	99.72	99.44	99.01	96.83	89.30	0.42	100.00	99.85	99.49	97.39	89.63	0.44	100.00	100.00	99.85	98.09	90.31	0.46
Cx3d1	88	99.60	99.33	98.86	97.45	90.12	0.40	99.93	99.72	99.38	98.27	91.12	0.42	100.00	99.93	99.64	98.62	92.01	0.44
Ipp5k	88	99.94	99.53	99.00	97.47	89.24	0.35	100.00	99.64	99.17	97.63	89.44	0.36	100.00	99.88	99.57	98.27	90.30	0.37
Mpeg1	88	99.74	99.36	98.60	97.70	87.36	0.77	100.00	99.61	98.96	98.05	88.02	0.78	100.00	99.86	99.72	99.03	89.09	0.83
64305ZF11Rk	89	99.71	99.48	99.19	97.33	89.97	0.35	100.00	99.82	99.70	98.19	90.97	0.36	100.00	99.94	99.81	98.55	91.76	0.38
Acvz2b	89	99.62	99.20	98.07	95.73	85.23	0.28	99.95	99.71	98.69	96.50	85.34	0.29	100.00	99.95	99.33	97.63	87.04	0.31
Clm2	89	99.72	99.44	99.01	96.97	89.65	0.42	100.00	99.85	99.49	97.53	90.14	0.44	100.00	100.00	99.85	98.25	90.85	0.46
Cx3d1	89	99.60	99.33	98.86	97.45	90.32	0.40	99.93	99.72	99.38	98.27	91.33	0.42	100.00	99.93	99.64	98.62	92.23	0.44
Ipp5k	89	99.94	99.53	99.00	97.47	89.48	0.35	100.00	99.64	99.17	97.63	89.68	0.36	100.00	99.88	99.57	98.27	90.54	0.37
Mpeg1	89	99.74	99.36	98.60	97.70	87.87	0.77	100.00	99.61	98.96	98.05	88.54	0.78	100.00	99.86	99.72	99.03	89.64	0.83
64305ZF11Rk	90	99.71	99.48	99.19	97.33	89.97	0.35	100.00	99.82	99.70	98.19	90.97	0.36	100.00	99.94	99.81	98.55	91.76	0.38
Acvz2b	90	99.62	99.20	98.07	95.73	85.16	0.28	99.95	99.76	98.79	96.55	85.97	0.29	100.00	99.95	99.38	97.69	87.35	0.31
Clm2	90	99.72	99.44	99.01	97.11	89.93	0.42	100.00	99.85	99.49	97.68	90.43	0.44	100.00	100.00	99.85	98.40	91.15	0.46
Cx3d1	90	99.60	99.33	98.86	97.45	90.39	0.40	99.93	99.72	99.38	98.27	91.39	0.42	100.00	99.93	99.64	98.62	92.30	0.44
Ipp5k	90	99.94	99.53	99.06	97.53	89.59	0.35	100.00	99.64	99.23	97.69	89.80	0.36	100.00	99.88	99.57	98.33	90.67	0.37
Mpeg1	90	99.74	99.36	98.60	97.70	88.51	0.77	100.00	99.61	98.96	98.05	89.06	0.78	100.00	99.86	99.72	99.03	90.19	0.83
64305ZF11Rk	91	99.71	99.48	99.19	97.33	90.20	0.35	100.00	99.82	99.70	98.26	91.22	0.36	100.00	99.94	99.81	98.62	92.01	0.38
Acvz2b	91	99.62	99.34	98.17	95.82	85.35	0.28	99.95	99.85	98.79	96.60	86.17	0.29	100.00	99.95	99.38	97.74	87.55	0.31
Clm2	91	99.72	99.44	99.01	97.18	90.14	0.42	100.00	99.85	99.49	97.75	90.65	0.44	100.00	100.00	99.85	98.47	91.38	0.46
Cx3d1	91	99.60	99.33	98.86	97.51	90.93	0.40	99.93	99.72	99.38	98.27	91.88	0.42	100.00	99.93	99.64	98.62	92.74	0.44
Ipp5k	91	99.94	99.53	99.06	97.59	89.71	0.35	100.00	99.64	99.23	97.75	89.92	0.36	100.00	99.88	99.57	98.39	90.79	0.37
Mpeg1	91	99.74	99.36	98.60	97.70	89.27	0.77	100.00	99.61	98.96	98.05	88.86	0.78	100.00	99.86	99.72	99.03	90.61	0.83
64305ZF11Rk	92	99.71	99.48	99.19	97.45	90.78	0.35	100.00	99.82	99.70	98.32	91.82	0.36	100.00	99.94	99.81	98.62	92.58	0.38
Acvz2b	92	99.62	99.34	98.12	95.77	86.24	0.28	99.95	99.85	98.74	96.55	87.09	0.29	100.00	99.95	99.33	97.69	88.48	0.31
Clm2	92	99.72	99.44	99.08	97.25	90.70	0.42	100.00	99.85	99.56	97.82	91.23	0.44	100.00	100.00	99.85	98.55	91.91	0.46
Cx3d1	92	99.60	99.40	98.86	97.72	91.13	0.40	99.93	99.79	99.38	98.40	92.02	0.42	100.00	100.00	99.64	98.77	92.88	0.44
Ipp5k	92	99.94	99.59	99.12	97.65	90.30	0.35	100.00	99.70	99.29	97.81	90.51	0.36	100.00	99.88	99.57	98.39	91.41	0.37
Mpeg1	92	99.74	99.36	98.72	97.70	89.53	0.77	100.00	99.61	99.09	98.05	90.10	0.78	100.00	99.86	99.72	99.03	90.88	0.83
64305ZF11Rk	93	99.77																	