

NGS Coverage Report

1. Gene-Level Coverage Summary

Gene	Min %30x	Mean %30x	Median %30x	Total Exons	Exons <100%	Status
ACTA1	100.0	100.0	100.0	6	0	OK
B3GALNT2	100.0	100.0	100.0	12	0	OK
B4GAT1	100.0	100.0	100.0	2	0	OK
BIN1	100.0	100.0	100.0	19	0	OK
CACNA1S	100.0	100.0	100.0	44	0	OK
CCDC78	100.0	100.0	100.0	14	0	OK
CFL2	100.0	100.0	100.0	4	0	OK
CHKB	100.0	100.0	100.0	11	0	OK
CNTN1	100.0	100.0	100.0	23	0	OK
COL12A1	100.0	100.0	100.0	65	0	OK
COL4A1	100.0	100.0	100.0	52	0	OK
COL4A2	100.0	100.0	100.0	47	0	OK
COL6A1	100.0	100.0	100.0	35	0	OK
COL6A2	100.0	100.0	100.0	27	0	OK
COL6A3	100.0	100.0	100.0	43	0	OK
DAG1	100.0	100.0	100.0	2	0	OK
DNM2	100.0	100.0	100.0	21	0	OK
DOK7	100.0	100.0	100.0	7	0	OK
DOLK	100.0	100.0	100.0	1	0	OK
DPM1	100.0	100.0	100.0	9	0	OK
DPM2	100.0	100.0	100.0	4	0	OK
DPM3	100.0	100.0	100.0	1	0	OK
ECEL1	100.0	100.0	100.0	17	0	OK
EPG5	100.0	100.0	100.0	44	0	OK
FKRP	100.0	100.0	100.0	1	0	OK
FKTN	100.0	100.0	100.0	9	0	OK
GMPPB	100.0	100.0	100.0	8	0	OK
GOLGA2	100.0	100.0	100.0	26	0	OK
HACD1	100.0	100.0	100.0	7	0	OK
INPP5K	100.0	100.0	100.0	10	0	OK
ISPD	100.0	100.0	100.0	10	0	OK

ITGA7	100.0	100.0	100.0	25	0	OK
KBTBD13	100.0	100.0	100.0	1	0	OK
KLHL40	100.0	100.0	100.0	6	0	OK
KLHL41	100.0	100.0	100.0	6	0	OK
KLHL9	100.0	100.0	100.0	1	0	OK
LAMA2	100.0	100.0	100.0	65	0	OK
LAMP2	100.0	100.0	100.0	9	0	OK
LARGE1	100.0	100.0	100.0	14	0	OK
LMOD3	100.0	100.0	100.0	3	0	OK
MEGF10	100.0	100.0	100.0	24	0	OK
MICU1	100.0	100.0	100.0	11	0	OK
MSTO1	83.0189	98.7870642857143	100.0	14	1	LOW_COVERAGE
MTM1	100.0	100.0	100.0	14	0	OK
MTMR14	100.0	100.0	100.0	19	0	OK
MYBPC1	100.0	100.0	100.0	31	0	OK
MYBPC3	100.0	100.0	100.0	33	0	OK
MYH2	100.0	100.0	100.0	38	0	OK
MYH3	100.0	100.0	100.0	39	0	OK
MYH7	100.0	100.0	100.0	38	0	OK
MYH8	100.0	100.0	100.0	38	0	OK
MYL1	100.0	100.0	100.0	6	0	OK
MYO18B	100.0	100.0	100.0	42	0	OK
NEB	0.0	91.94235524861878	100.0	181	17	LOW_COVERAGE
NUP88	100.0	100.0	100.0	17	0	OK
ORAI1	100.0	100.0	100.0	2	0	OK
PIEZO2	100.0	100.0	100.0	52	0	OK
PLEC	100.0	100.0	100.0	32	0	OK
POMGNT1	100.0	100.0	100.0	22	0	OK
POMGNT2	100.0	100.0	100.0	1	0	OK
POMK	100.0	100.0	100.0	2	0	OK
POMT1	100.0	100.0	100.0	19	0	OK
POMT2	100.0	100.0	100.0	21	0	OK
RYR1	100.0	100.0	100.0	106	0	OK
SCN4A	100.0	100.0	100.0	24	0	OK
SELENON	49.2611	96.09700769230768	100.0	13	1	LOW_COVERAGE
SIL1	100.0	100.0	100.0	9	0	OK
SPEG	100.0	100.0	100.0	41	0	OK
SRPK3	100.0	100.0	100.0	15	0	OK

STAC3	100.0	100.0	100.0	11	0	OK
STIM1	100.0	100.0	100.0	12	0	OK
TMEM38A	100.0	100.0	100.0	6	0	OK
TMEM5	100.0	100.0	100.0	6	0	OK
TNNI2	100.0	100.0	100.0	6	0	OK
TNNT1	100.0	100.0	100.0	13	0	OK
TNNT3	100.0	100.0	100.0	15	0	OK
TPM2	100.0	100.0	100.0	9	0	OK
TPM3	100.0	100.0	100.0	10	0	OK
TRAPPC11	100.0	100.0	100.0	29	0	OK
TTN	100.0	100.0	100.0	362	0	OK
VMA21	100.0	100.0	100.0	3	0	OK
VPS33B	100.0	100.0	100.0	23	0	OK
ZC4H2	84.6995	96.9399	100.0	5	1	LOW_COVERAGE

2. Genes that have less than 100% coverage at 30x

Gene	Min %30x	Mean %30x	Median %30x	Total Exons	Exons <100%	Status
MSTO1	83.0189	98.7870642857143	100.0	14	1	LOW_COVERAGE
NEB	0.0	91.94235524861878	100.0	181	17	LOW_COVERAGE
SELENON	49.2611	96.09700769230768	100.0	13	1	LOW_COVERAGE
ZC4H2	84.6995	96.9399	100.0	5	1	LOW_COVERAGE

3. Exon-Level Low Coverage - Exons that have less than 100% coverage at 30x

Chr	Start	End	Position	Gene	Size	MeanCov	%30x	Status
1	26126711	26126914	1-26126711-26126914	SELENON	204	39.5222	49.2611	LOW_COVERAGE
1	155581469	155581628	1-155581469-155581628	MSTO1	160	224.591	83.0189	LOW_COVERAGE
2	152437300	152437428	2-152437300-152437428	NEB	129	0.0	0.0	LOW_COVERAGE
2	152438967	152439191	2-152438967-152439191	NEB	225	0.464286	0.0	LOW_COVERAGE
2	152439958	152440290	2-152439958-152440290	NEB	333	236.105	93.0723	LOW_COVERAGE
2	152442010	152442138	2-152442010-152442138	NEB	129	0.0	0.0	LOW_COVERAGE
2	152442908	152443033	2-152442908-152443033	NEB	126	0.0	0.0	LOW_COVERAGE
2	152443877	152444101	2-152443877-152444101	NEB	225	0.0	0.0	LOW_COVERAGE
2	152446392	152446724	2-152446392-152446724	NEB	333	0.0	0.0	LOW_COVERAGE

Chr	Start	End	Position	Gene	Size	MeanCov	%30x	Status
2	152449519	152449743	2-152449519-152449743	NEB	225	0.0	0.0	LOW_COVERAGE
2	152450510	152450842	2-152450510-152450842	NEB	333	1293.82	94.5783	LOW_COVERAGE
2	152452563	152452691	2-152452563-152452691	NEB	129	0.0	0.0	LOW_COVERAGE
2	152453461	152453586	2-152453461-152453586	NEB	126	0.0	0.0	LOW_COVERAGE
2	152454430	152454654	2-152454430-152454654	NEB	225	0.0	0.0	LOW_COVERAGE
2	152456945	152457277	2-152456945-152457277	NEB	333	0.0	0.0	LOW_COVERAGE
2	152458404	152458532	2-152458404-152458532	NEB	129	0.671875	0.0	LOW_COVERAGE
2	152459090	152459215	2-152459090-152459215	NEB	126	0.0	0.0	LOW_COVERAGE
2	152461063	152461395	2-152461063-152461395	NEB	333	98.4518	53.9157	LOW_COVERAGE
2	152464976	152465200	2-152464976-152465200	NEB	225	7.38393	0.0	LOW_COVERAGE
X	64138911	64139094	X-64138911-64139094	ZC4H2	184	392.508	84.6995	LOW_COVERAGE

4. Gene Coverage Summary Plot

