

Whole Genome Sequencing



ITMI – Inova Translational Medicine Institute

ITMI Pre-term Birth Whole Genome Sequencing Project Complete Genomics Data Delivery Acceptance Report

Summary		Genomes in current report			Genomes to date											
# Accepted				142	142											
# Rejected				0	0											
# Pending Review				0	0											
Total				142	142											
				Genome						Exome						
Status				gross mapping yield (Gb)	fully called fraction	coverage >= 40x	variant SNP count	novel SNP fraction	Ti/Tv ratio	Het/Hom ratio	fully called fraction	coverage >= 40x	variant SNP count	novel SNP fraction	Ti/Tv ratio	Het/Hom ratio
GS000006067	NB-101-010	Accepted		222.434	96.4%	68.8%	3,331,337	3.4%	2.15	1.61	97.3%	79.8%	21,224	3.3%	3.10	1.59
GS000006099	M-101-049	Accepted		196.164	97.0%	72.1%	3,470,642	4.4%	2.142	1.66	96.7%	72.7%	21,515	4.8%	3.10	1.77
GS000006101	NB-101-049	Accepted		194.907	96.8%	72.8%	3,458,144	4.4%	2.144	1.64	97.4%	78.4%	21,627	5.1%	3.09	1.74
GS000006112	M-101-011	Accepted		192.221	96.7%	69.1%	3,416,412	4.4%	2.143	1.42	97.0%	74.0%	21,422	4.9%	3.12	1.44
GS000006113	F-101-011	Accepted		181.278	97.2%	68.6%	3,410,107	4.5%	2.134	1.44	96.5%	67.4%	20,835	4.8%	3.12	1.51
GS000006114	NB-101-011	Accepted		195.019	97.4%	81.1%	3,431,677	4.5%	2.127	1.39	96.2%	68.1%	20,732	4.7%	3.17	1.49
GS000006115	M-101-014	Accepted		196.328	97.4%	82.4%	4,095,788	6.3%	2.132	2.14	96.4%	70.5%	25,010	4.9%	3.15	2.18
GS000006117	M-101-021	Accepted		195.173	97.2%	77.2%	3,391,987	3.4%	2.138	1.59	97.2%	76.9%	20,681	3.2%	3.08	1.60
GS000006118	F-101-021	Accepted		195.742	97.6%	79.2%	3,384,691	3.3%	2.132	1.61	96.7%	71.8%	20,870	3.1%	3.11	1.73
GS000006120	M-101-026	Accepted		193.521	96.6%	70.8%	3,844,520	6.3%	2.145	2.06	96.7%	72.3%	24,086	6.3%	3.12	2.10
GS000006121	F-101-026	Accepted		192.264	96.9%	67.2%	3,745,937	5.9%	2.145	1.98	96.9%	73.7%	23,261	5.9%	3.09	2.00
GS000006122	NB-101-026	Accepted		187.847	96.4%	67.4%	3,789,573	6.2%	2.148	2.00	97.4%	76.4%	23,932	6.1%	3.06	2.00
GS000006127	F-101-029	Accepted		192.585	97.1%	71.2%	3,393,010	3.4%	2.141	1.63	96.5%	71.6%	21,058	3.3%	3.16	1.72
GS000006129	NB-B-101-029	Accepted		189.7	97.1%	77.2%	3,419,981	3.4%	2.136	1.61	96.2%	67.8%	20,907	3.4%	3.14	1.64
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GS000006713	F-101-145	Accepted		195.172	96.7%	66.6%	3,380,491	3.6%	2.149	1.65	98.0%	81.0%	21,505	3.8%	3.08	1.63
GS000006716	NB-A-101-145	Accepted		203.168	96.9%	73.4%	3,403,210	3.5%	2.139	1.63	97.7%	79.8%	21,334	3.6%	3.14	1.59
GS000006718	NB-B-101-145	Accepted		196.989	96.8%	70.4%	3,408,510	3.5%	2.143	1.63	97.7%	78.6%	21,411	3.7%	3.12	1.64
GS000006719	M-101-163	Accepted		195.684	96.3%	68.4%	3,365,205	3.4%	2.147	1.62	97.6%	78.1%	21,157	3.4%	3.09	1.70
GS000006724	M-101-164	Accepted		194.137	96.1%	66.1%	3,359,661	3.4%	2.149	1.63	97.6%	77.7%	21,588	3.2%	3.04	1.61
GS000006725	M-101-167	Accepted		192.537	97.0%	72.1%	3,811,051	6.7%	2.144	1.98	97.6%	78.4%	23,524	6.9%	3.09	1.87
GS000006731	M-101-018	Accepted		190.028	96.3%	65.6%	3,349,972	3.4%	2.147	1.64	97.6%	76.1%	20,932	3.1%	3.04	1.71
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ALLOWABLE RANGE				> 150	(0.95-0.98)	(0.55-0.85)	(3200000-4400000)	(0.03-0.07)	(2.05-2.18)	(1.3-2.2)	(0.95-0.98)	(0.6-0.85)	(20000-30000)	(0.02-0.08)	(2.9-3.3)	(1.3-2.3)
MIN				160.756	0.956	0.575	3317700	0.032	2.127	1.334	0.959	0.646	20360	0.029	3.019	1.353
MAX				222.434	0.976	0.839	4156532	0.068	2.161	2.169	0.98	0.816	26101	0.071	3.173	2.177
MEAN				190.723	0.968	0.701	3450928.48	0.039	2.143	1.654	0.973	0.762	21545.8	0.039	3.092	1.682
STDEV				7.583	0.005	0.047	158807.45	0.009	0.007	0.16	0.004	0.037	1011.79	0.009	0.035	0.153