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Subproject(s): EASL62

Application : ExomeCapture-Seq *capture :* KAPA HyperExome

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Analysis Methods: Illumina Sequencing Analysis Viewer, Illumina run specifications, FastQC, and Quality control alignment INS-017

The following sample(s) were processed between 27-01-2021 and 16-03-2021T10:44:09 :

AR5440, AR5441, AR5442, AR5443, AR5444, AR5445, AR5446, AR5447, AR5448, AR5449, AR5450, AR5451, AR5452, AR5453, AR5454, AR5455, AR5456, AR5457, AR5458, AR5459, AR5460, AR5461, AR5462, AR5463, AR5464, AR5465, AR5466, AR5467, AR5468, AR5469, AR5470, AR5471, AR5472, AR5473, AR5474, AR5475, AR5476, AR5477, AR5478, AR5479, AR5480, AR5481, AR5482, AR5483, AR5484, AR5485, AR5486, AR5487, AR5488, AR5489, AR5490, AR5491, AR5492, AR5493, AR5494, AR5495, AR5496, AR5497, AR5498, AR5499, AR5500, AR5501, AR5502, AR5503, AR5504, AR5505, AR5506, AR5507, AR5508, AR5509, AR5510, AR5511, AR5512, AR5513, AR5514, AR5515, AR5516, AR5517, AR5518, AR5519, AR5520, AR5521, AR5522, AR5523, AR5524, AR5525, AR5526, AR5527, AR5528, AR5529, AR5530, AR5531, AR5532, AR5533, AR5534, AR5535, AR5536, AR5537, AR5538, AR5539

Authorized Signature

EASI.62 : Alignment Statistics

Sample Barcode	Sample Name	# of FLIs	Million read-pairs (or reads)	Yield (Gb)	Trimmed yield (Gb)	Avg PhiX error r1	Avg PhiX error r2	Organism	Reference	Avg % unique	Avg % un-mapped	Avg % duplicate	Avg % difference r1	Avg % difference r2	Avg alignment insert size
AR5440	81187351	2	76.450	15.443	15.443	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.77	0.14	23.95	0.17	0.26	239.00
AR5441	81338790	2	70.183	14.177	14.177	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.76	0.19	22.27	0.17	0.26	231.00
AR5442	81353353	2	76.690	15.492	15.492	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.73	0.15	24.37	0.17	0.22	207.00
AR5443	81702106	2	63.021	12.730	12.730	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.78	0.14	22.92	0.17	0.23	231.00
AR5444	81676913	2	74.599	15.069	15.069	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.84	0.17	25.97	0.17	0.24	224.50
AR5445	81676895	2	64.144	12.957	12.957	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.92	0.14	24.23	0.17	0.21	221.00
AR5446	81722406	2	69.677	14.075	14.075	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.88	0.15	24.20	0.17	0.24	230.00
AR5447	81722379	2	59.973	12.114	12.114	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.80	0.17	23.05	0.17	0.21	230.00
AR5448	81722237	6	67.180	13.570	13.570	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.85	0.13	10.40	0.17	0.27	216.00
AR5449	81729764	6	81.553	16.473	16.473	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	95.05	0.15	13.00	0.17	0.25	224.33
AR5450	81751917	6	53.046	10.716	10.716	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.86	0.14	10.67	0.17	0.28	210.50
AR5451	81752082	6	67.225	13.578	13.578	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.65	0.19	10.74	0.17	0.25	218.00
AR5452	81676777	6	55.079	11.125	11.125	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	95.22	0.19	9.75	0.18	0.37	286.50
AR5453	81838576	6	64.402	13.009	13.009	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.44	0.15	10.84	0.18	0.27	209.00
AR5454	81838616	6	64.862	13.103	13.103	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.56	0.12	10.95	0.17	0.24	205.83
AR5455	81867542	6	55.196	11.149	11.149	0.13	0.34	Homo sapiens	bwa.hsapiens.hs37d5	94.83	0.22	10.72	0.18	0.24	214.83
AR5456	81890171	4	65.916	13.315	13.315	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.96	0.11	17.52	0.17	0.26	235.00
AR5457	81889810	4	71.066	14.356	14.356	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.70	0.14	17.50	0.17	0.26	225.00
AR5458	81890212	4	60.076	12.136	12.136	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.70	0.15	17.06	0.17	0.25	215.50
AR5459	81890278	4	76.085	15.369	15.369	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.60	0.14	17.12	0.17	0.26	216.75
AR5460	81890240	4	74.009	14.950	14.950	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.88	0.13	18.04	0.16	0.29	236.25
AR5461	81889868	4	61.020	12.326	12.326	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.66	0.17	16.48	0.17	0.23	209.75
AR5462	81920157	4	51.610	10.425	10.425	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.74	0.14	16.36	0.17	0.26	226.50
AR5463	81919929	4	75.238	15.198	15.198	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.59	0.15	18.06	0.17	0.27	221.00
AR5464	81920086	4	57.507	11.616	11.616	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.53	0.14	15.75	0.17	0.27	223.75
AR5465	81920300	4	54.400	10.989	10.989	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.67	0.13	17.78	0.17	0.23	216.75
AR5466	81867774	4	58.729	11.864	11.864	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.65	0.16	17.32	0.17	0.32	219.75
AR5467	81975301	4	57.244	11.562	11.562	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.84	0.13	17.15	0.17	0.24	219.75
AR5468	82044751	4	58.260	11.768	11.768	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.83	0.15	16.66	0.17	0.26	223.75
AR5469	82134698	4	71.369	14.417	14.417	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.70	0.14	17.48	0.17	0.25	218.75
AR5470	82157043	4	58.043	11.725	11.725	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.75	0.13	18.15	0.17	0.25	230.00
AR5471	82162679	4	53.229	10.752	10.752	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.56	0.18	16.51	0.17	0.28	227.25
AR5472	82499970	4	40.413	8.164	8.164	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.75	0.16	18.77	0.21	0.35	237.25
AR5473	82075233	4	44.762	9.041	9.041	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.60	0.25	19.91	0.20	0.28	217.25
AR5474	82499921	4	46.808	9.455	9.455	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.34	0.21	20.96	0.19	0.31	218.25
AR5475	82584819	4	40.238	8.128	8.128	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.75	0.17	18.16	0.19	0.31	226.25

EASI.62 : Alignment Statistics

Sample Barcode	Sample Name	# of FLIs	Million read-pairs (or reads)	Yield (Gb)	Trimmed yield (Gb)	Avg PhiX error r1	Avg PhiX error r2	Organism	Reference	Avg % unique	Avg % un-mapped	Avg % duplicate	Avg % difference r1	Avg % difference r2	Avg alignment insert size
AR5476	82584876	4	42.952	8.676	8.676	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.81	0.17	18.75	0.19	0.28	226.50
AR5477	82584919	4	49.528	10.004	10.004	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.80	0.20	21.51	0.19	0.30	213.75
AR5478	201450	4	39.516	7.983	7.983	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.88	0.18	18.21	0.19	0.30	238.75
AR5479	83655155	4	43.325	8.752	8.752	0.15	0.38	Homo sapiens	bwa.hsapiens.hs37d5	94.68	0.18	19.25	0.20	0.31	243.25
AR5480	83652798	2	47.693	9.634	9.634	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.82	0.11	19.93	0.18	0.23	217.50
AR5481	83652773	2	55.691	11.249	11.249	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.81	0.14	21.38	0.18	0.26	223.50
AR5482	83655030	2	48.419	9.781	9.781	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.70	0.11	19.38	0.18	0.24	211.50
AR5483	83676036	2	60.177	12.155	12.155	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.75	0.14	21.93	0.18	0.26	215.50
AR5484	83696905	2	53.913	10.890	10.890	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.60	0.13	21.95	0.18	0.27	227.50
AR5485	84267423	2	43.146	8.716	8.716	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.79	0.15	19.84	0.18	0.26	220.50
AR5486	84268192	2	44.627	9.014	9.014	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.74	0.11	19.27	0.18	0.23	220.50
AR5487	84268308	2	53.501	10.807	10.807	0.14	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.62	0.15	22.53	0.18	0.26	225.50
AR5488	84903494	4	57.572	11.630	11.630	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.62	0.12	17.38	0.16	0.25	213.50
AR5489	84903565	4	62.525	12.630	12.630	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.31	0.18	17.38	0.18	0.28	207.75
AR5490	84897798	4	49.561	10.011	10.011	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.53	0.12	17.12	0.16	0.24	206.75
AR5491	84897868	4	67.829	13.703	13.703	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.76	0.14	18.50	0.17	0.24	207.00
AR5492	85062451	4	51.176	10.338	10.338	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.48	0.11	16.95	0.16	0.22	202.75
AR5493	85061100	4	63.055	12.737	12.737	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.51	0.12	17.88	0.17	0.23	208.25
AR5494	85058495	4	63.187	12.763	12.763	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.60	0.17	18.98	0.17	0.29	226.25
AR5495	85061059	4	57.127	11.539	11.539	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.58	0.15	17.56	0.17	0.28	218.75
AR5496	85365717	4	59.866	12.093	12.093	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.42	0.12	17.44	0.17	0.22	203.00
AR5497	85365681	4	54.812	11.071	11.071	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.39	0.11	15.50	0.16	0.23	198.75
AR5498	85558331	4	60.400	12.200	12.200	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.47	0.15	18.29	0.17	0.24	200.25
AR5499	85558664	4	55.495	11.211	11.211	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.62	0.15	17.55	0.17	0.24	216.75
AR5500	85558380	4	64.553	13.040	13.040	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.40	0.12	17.39	0.16	0.24	198.75
AR5501	85587992	4	62.570	12.640	12.640	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.57	0.11	17.59	0.17	0.25	206.75
AR5502	85587952	4	67.943	13.725	13.725	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.56	0.14	18.17	0.17	0.26	208.75
AR5503	85958162	4	58.418	11.800	11.800	0.12	0.33	Homo sapiens	bwa.hsapiens.hs37d5	94.62	0.11	16.68	0.17	0.24	223.00
AR5504	85958037	4	48.254	9.747	9.747	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.54	0.20	16.35	0.19	0.34	216.25
AR5505	85957877	4	50.582	10.217	10.217	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.44	0.18	14.54	0.19	0.28	203.75
AR5506	85958253	4	81.420	16.447	16.447	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.45	0.20	16.21	0.18	0.30	207.50
AR5507	85997778	4	61.445	12.412	12.412	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.60	0.15	14.17	0.18	0.29	212.00
AR5508	85997987	4	82.835	16.732	16.732	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.52	0.20	15.93	0.18	0.30	205.00
AR5509	200595	4	65.258	13.181	13.181	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.66	0.19	15.50	0.19	0.30	213.25
AR5510	200605	4	68.213	13.778	13.778	0.15	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.35	0.23	16.21	0.19	0.33	217.75
AR5511	200613	2	54.024	10.913	10.913	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.93	0.16	22.41	0.17	0.23	237.00

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AR5512	200681	2	63.370	12.801	12.801	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.87	0.18	24.37	0.17	0.24	223.00
AR5513	200742	2	41.831	8.450	8.450	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.94	0.15	23.18	0.17	0.21	215.00
AR5514	200812	2	35.939	7.260	7.260	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.85	0.15	24.06	0.17	0.23	227.00
AR5515	200230	2	54.010	10.910	10.910	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.88	0.14	21.80	0.17	0.23	226.00
AR5516	200254	2	50.778	10.257	10.257	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	95.02	0.18	23.74	0.17	0.24	247.00
AR5517	200222	2	54.969	11.104	11.104	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	94.78	0.15	24.81	0.17	0.21	221.50
AR5518	200250	2	41.162	8.314	8.314	0.11	0.26	Homo sapiens	bwa.hsapiens.hs37d5	95.05	0.17	23.66	0.17	0.24	232.00
AR5519	200261	4	37.175	7.509	7.509	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.48	0.11	8.04	0.15	0.20	206.25
AR5520	200280	4	50.654	10.233	10.233	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.80	0.13	8.15	0.15	0.19	202.25
AR5521	200287	4	41.340	8.351	8.351	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.69	0.12	8.30	0.15	0.19	201.75
AR5522	200289	4	38.220	7.720	7.720	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.71	0.11	8.56	0.15	0.19	201.50
AR5523	200348	4	55.721	11.255	11.255	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.96	0.11	8.72	0.15	0.20	212.00
AR5524	200379	4	41.835	8.451	8.451	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.81	0.12	8.22	0.15	0.20	207.00
AR5525	200381	4	45.119	9.115	9.115	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.98	0.11	7.94	0.15	0.19	208.50
AR5526	200384	4	63.359	12.799	12.799	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	95.05	0.11	8.91	0.15	0.21	227.75
AR5527	200402	4	38.349	7.745	7.745	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.66	0.12	8.66	0.15	0.19	210.75
AR5528	200435	4	46.447	9.382	9.382	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.57	0.12	8.54	0.15	0.20	205.75
AR5529	200565	4	62.915	12.707	12.707	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.72	0.10	8.52	0.15	0.19	208.00
AR5530	200616	4	60.605	12.242	12.242	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.78	0.12	9.62	0.15	0.20	206.50
AR5531	200736	4	45.800	9.251	9.251	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	95.03	0.13	8.25	0.15	0.22	225.75
AR5532	200745	4	37.071	7.489	7.489	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.88	0.10	8.04	0.15	0.21	218.25
AR5533	200807	4	60.879	12.298	12.298	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.80	0.11	9.06	0.15	0.20	211.50
AR5534	200821	4	44.823	9.053	9.053	0.11	0.25	Homo sapiens	bwa.hsapiens.hs37d5	94.67	0.15	8.34	0.15	0.21	217.50
AR5535	200847	2	75.874	15.327	15.327	0.16	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.78	0.16	26.14	0.17	0.27	231.50
AR5536	200955	2	53.632	10.834	10.834	0.16	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.62	0.19	24.24	0.18	0.27	218.50
AR5537	201003	2	79.228	16.004	16.004	0.16	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.84	0.18	27.57	0.18	0.26	210.50
AR5538	201026	2	63.507	12.829	12.829	0.16	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.83	0.18	26.26	0.18	0.26	219.00
AR5539	201028	2	68.718	13.881	13.881	0.16	0.42	Homo sapiens	bwa.hsapiens.hs37d5	94.59	0.22	28.70	0.18	0.28	205.50

EASI.62 : Conversion and Coverage Statistics

Sample Barcode	Sample Name	Avg BS conversion efficiency	Mean coverage	Median coverage	c10	c15	c30	Specificity	Enrichment
AR5440	81187351	NA	191.92	188.00	99.97	99.97	99.94	56.73	84.72
AR5441	81338790	NA	179.32	176.00	99.89	99.88	99.85	57.73	88.24
AR5442	81353353	NA	205.32	201.00	99.98	99.98	99.96	60.56	99.22
AR5443	81702106	NA	160.40	157.00	99.98	99.97	99.92	57.52	87.49
AR5444	81676913	NA	192.76	189.00	99.98	99.97	99.95	58.41	90.73
AR5445	81676895	NA	167.08	163.00	99.98	99.98	99.93	58.79	92.19
AR5446	81722406	NA	178.25	174.00	99.98	99.97	99.94	57.78	88.44
AR5447	81722379	NA	153.13	150.00	99.98	99.98	99.92	57.71	88.19
AR5448	81722237	NA	178.92	175.00	99.88	99.88	99.85	60.09	97.30
AR5449	81729764	NA	213.80	210.00	99.89	99.88	99.87	59.06	93.22
AR5450	81751917	NA	142.64	139.00	99.87	99.86	99.78	60.75	100.02
AR5451	81752082	NA	177.06	173.00	99.98	99.97	99.95	59.68	95.66
AR5452	81676777	NA	129.53	126.00	99.88	99.87	99.69	52.90	72.58
AR5453	81838576	NA	172.70	169.00	99.98	99.97	99.94	60.87	100.53
AR5454	81838616	NA	175.17	171.00	99.97	99.97	99.94	61.29	102.31
AR5455	81867542	NA	146.67	143.00	99.97	99.97	99.90	60.05	97.12
AR5456	81890171	NA	169.90	166.00	99.89	99.88	99.84	58.12	89.66
AR5457	81889810	NA	185.69	182.00	99.98	99.98	99.95	59.12	93.45
AR5458	81890212	NA	160.48	157.00	99.89	99.88	99.83	60.45	98.77
AR5459	81890278	NA	201.93	198.00	99.97	99.96	99.94	60.15	97.52
AR5460	81890240	NA	189.65	185.00	99.88	99.88	99.85	57.86	88.73
AR5461	81889868	NA	164.90	161.00	99.97	99.97	99.93	61.22	102.00
AR5462	81920157	NA	134.37	131.00	99.98	99.97	99.86	58.91	92.63
AR5463	81919929	NA	198.33	194.00	99.98	99.98	99.96	59.74	95.89
AR5464	81920086	NA	148.28	145.00	99.98	99.97	99.91	58.46	90.95
AR5465	81920300	NA	142.32	138.00	99.97	99.96	99.87	59.26	94.00
AR5466	81867774	NA	153.06	150.00	99.98	99.97	99.91	59.05	93.18
AR5467	81975301	NA	149.29	145.00	99.98	99.97	99.90	58.92	92.67
AR5468	82044751	NA	150.74	147.00	99.98	99.97	99.91	58.46	90.94
AR5469	82134698	NA	187.98	184.00	99.88	99.88	99.84	59.62	95.41
AR5470	82157043	NA	148.19	145.00	99.97	99.96	99.89	57.74	88.29
AR5471	82162679	NA	136.38	133.00	99.98	99.97	99.87	58.09	89.55
AR5472	82499970	NA	100.66	98.00	99.96	99.93	99.42	56.29	83.21
AR5473	82075233	NA	116.47	113.00	99.96	99.94	99.70	58.93	92.70
AR5474	82499921	NA	121.34	118.00	99.97	99.95	99.76	58.82	92.31
AR5475	82584819	NA	102.52	99.00	99.95	99.93	99.47	57.61	87.83

EASL62 : Conversion and Coverage Statistics

Sample Barcode	Sample Name	Avg BS conversion efficiency	Mean coverage	Median coverage	c10	c15	c30	Specificity	Enrichment
AR5476	82584876	NA	109.82	107.00	99.87	99.84	99.48	57.73	88.25
AR5477	82584919	NA	130.18	127.00	99.88	99.86	99.71	59.36	94.38
AR5478	201450	NA	98.47	96.00	99.96	99.93	99.40	56.26	83.10
AR5479	83655155	NA	107.03	104.00	99.97	99.95	99.59	55.89	81.86
AR5480	83652798	NA	125.07	122.00	99.88	99.87	99.70	59.26	93.97
AR5481	83652773	NA	143.60	140.00	99.98	99.97	99.89	58.29	90.30
AR5482	83655030	NA	127.51	124.00	99.98	99.96	99.83	59.59	95.30
AR5483	83676036	NA	158.19	154.00	99.88	99.87	99.81	59.43	94.66
AR5484	83696905	NA	137.75	134.00	99.98	99.97	99.86	57.90	88.87
AR5485	84267423	NA	112.39	109.00	99.87	99.85	99.57	58.90	92.58
AR5486	84268192	NA	115.74	113.00	99.97	99.95	99.74	58.66	91.70
AR5487	84268308	NA	137.40	134.00	99.97	99.96	99.87	58.20	89.96
AR5488	84903494	NA	153.80	150.00	99.88	99.88	99.81	60.53	99.09
AR5489	84903565	NA	168.76	164.00	99.98	99.97	99.94	61.39	102.74
AR5490	84897798	NA	133.39	129.00	99.98	99.97	99.86	61.12	101.56
AR5491	84897868	NA	183.72	179.00	99.88	99.88	99.85	61.27	102.25
AR5492	85062451	NA	139.29	135.00	99.97	99.96	99.87	61.84	104.71
AR5493	85061100	NA	170.17	166.00	99.89	99.89	99.84	61.27	102.21
AR5494	85058495	NA	164.41	160.00	99.98	99.98	99.94	58.98	92.91
AR5495	85061059	NA	150.92	147.00	99.98	99.98	99.92	59.88	96.44
AR5496	85365717	NA	162.65	159.00	99.99	99.98	99.94	61.69	104.07
AR5497	85365681	NA	149.66	146.00	99.98	99.97	99.91	62.05	105.67
AR5498	85558331	NA	166.05	162.00	99.88	99.88	99.83	62.39	107.20
AR5499	85558664	NA	146.34	143.00	99.97	99.97	99.91	59.78	96.03
AR5500	85558380	NA	177.22	173.00	99.99	99.98	99.95	62.45	107.45
AR5501	85587992	NA	169.23	165.00	99.88	99.88	99.84	61.35	102.57
AR5502	85587952	NA	182.99	179.00	99.97	99.97	99.94	61.09	101.45
AR5503	85958162	NA	152.57	149.00	99.98	99.97	99.92	59.19	93.72
AR5504	85958037	NA	127.94	125.00	99.97	99.96	99.83	60.13	97.44
AR5505	85957877	NA	136.72	133.00	99.98	99.97	99.88	61.38	102.71
AR5506	85958253	NA	219.35	215.00	99.98	99.98	99.96	61.19	101.88
AR5507	85997778	NA	163.60	160.00	99.98	99.97	99.93	60.36	98.39
AR5508	85997987	NA	224.78	220.00	99.97	99.97	99.95	61.56	103.48
AR5509	200595	NA	173.27	169.00	99.98	99.98	99.95	60.16	97.57
AR5510	200605	NA	179.79	176.00	99.98	99.98	99.95	59.98	96.86
AR5511	200613	NA	136.93	134.00	99.97	99.97	99.89	57.10	85.99

EASL62 : Conversion and Coverage Statistics

Sample Barcode	Sample Name	Avg BS conversion efficiency	Mean coverage	Median coverage	c10	c15	c30	Specificity	Enrichment
AR5512	200681	NA	165.82	163.00	99.98	99.97	99.93	59.01	93.01
AR5513	200742	NA	111.17	109.00	99.87	99.85	99.60	59.85	96.33
AR5514	200812	NA	93.18	91.00	99.96	99.94	99.34	58.44	90.86
AR5515	200230	NA	139.53	137.00	99.98	99.97	99.90	58.26	90.19
AR5516	200254	NA	126.52	124.00	99.97	99.96	99.81	56.12	82.63
AR5517	200222	NA	143.05	140.00	99.97	99.96	99.89	58.78	92.15
AR5518	200250	NA	105.65	103.00	99.87	99.86	99.52	57.75	88.32
AR5519	200261	NA	100.47	98.00	99.88	99.87	99.49	61.24	102.10
AR5520	200280	NA	138.78	136.00	99.97	99.97	99.90	61.91	105.03
AR5521	200287	NA	113.10	110.00	99.97	99.96	99.78	61.88	104.87
AR5522	200289	NA	104.23	101.00	99.96	99.95	99.65	61.67	103.97
AR5523	200348	NA	149.00	146.00	99.88	99.87	99.81	60.26	98.00
AR5524	200379	NA	113.39	111.00	99.87	99.86	99.64	61.20	101.91
AR5525	200381	NA	122.35	119.00	99.88	99.87	99.73	61.06	101.33
AR5526	200384	NA	165.15	162.00	99.88	99.88	99.84	58.69	91.79
AR5527	200402	NA	103.27	101.00	99.88	99.86	99.53	60.87	100.53
AR5528	200435	NA	126.23	123.00	99.98	99.97	99.87	61.52	103.31
AR5529	200565	NA	169.66	166.00	99.98	99.97	99.95	60.96	100.90
AR5530	200616	NA	164.78	161.00	99.88	99.88	99.84	61.41	102.81
AR5531	200736	NA	119.67	117.00	99.88	99.87	99.71	58.81	92.27
AR5532	200745	NA	98.32	96.00	99.88	99.86	99.42	59.82	96.21
AR5533	200807	NA	162.72	159.00	99.88	99.88	99.84	60.35	98.36
AR5534	200821	NA	118.83	116.00	99.98	99.97	99.83	59.94	96.66
AR5535	200847	NA	195.56	192.00	99.98	99.98	99.95	58.29	90.31
AR5536	200955	NA	141.70	139.00	99.97	99.97	99.89	59.85	96.33
AR5537	201003	NA	213.35	209.00	99.98	99.97	99.96	60.80	100.23
AR5538	201026	NA	167.83	164.00	99.98	99.97	99.94	59.66	95.56
AR5539	201028	NA	185.53	182.00	99.88	99.88	99.85	61.13	101.64

1 Column description

- **Sample Barcode:** Unique internal CNAG identifier of the sample.
- **Sample Name Sample:** Name provided by the collaborator
- **Number of FLIs:** Number of sequencing Flowcell Lane Index units for this sample (equivalent to the number of times the sample has been sequenced)
- **Million read-pairs (or reads):** Total million read-pairs (or reads for single-end runs) that passed Illumina filter
- **Yield (Gb):** Total yield in Gigabases from the read-pairs (or reads for single-end runs) that passed Illumina filter
- **Trimmed yield (Gb):** Trimmed yield in Gigabases from the read-pairs (or reads for single-end runs) that passed Illumina filter
- **Avg PhiX error r1:** Average % mismatches between the spiked-in PhiX read 1 and the PhiX reference
- **Avg PhiX error r2:** Average % mismatches between the spiked-in PhiX read 2 and the PhiX reference
- **Organism:** Sample's organism according to submitter
- **Reference:** Reference sequence (genome, transcriptome, contigs...) to which the reads have been mapped
- **Avg % unique:** Average % of reads aligning to a single location in the reference
- **Avg % unmapped:** Average % of reads not aligning to any location in the reference
- **Avg % duplicate:** Average % of read-pairs (or reads, for single-end runs) that map exactly at the same location in the reference as another read-pair
- **Avg % difference r1:** Average % mismatches between read 1 and the reference
- **Avg % difference r2:** Average % mismatches between read 2 and the reference
- **Avg alignment insert size:** Average mapping distance between read 1 and read 2
- **Avg BS conversion efficiency:** Average % of C → T conversion. Only computed for bisulphite methylation experiments
- **Mean coverage:** Mean coverage (read depth) of the uniquely mappable reference (or target regions if capture or selection was carried out)
- **Median coverage:** Median coverage (read depth) of the uniquely mappable reference (or target regions if capture or selection was carried out)
- **c10:** % of the mappable reference (or target regions if capture or selection was carried out) with at least 10x of coverage
- **c15:** % of the mappable reference (or target regions if capture or selection was carried out) with at least 15x of coverage
- **c30:** % of the mappable reference (or target regions if capture or selection was carried out) with at least 30x of coverage
- **Specificity:** % of trimmed yield bases mapping to the mappable target regions. Only computed if selection or capture was carried out")
- **Enrichment:** Trimmed yield mapping inside the target regions versus trimmed yield mapping outside the target regions. Corrected by the length of the target regions versus the length of the non-target regions. Only mappable positions are taken into account and is only computed if selection or capture was carried out

EASI.62 : Samples Received for Subproject

Sample Barcode	Sample Name	Received date	Sequenced
AR5440	81187351	27-01-2021T10:11:58	Yes
AR5441	81338790	27-01-2021T10:11:58	Yes
AR5442	81353353	27-01-2021T10:11:58	Yes
AR5443	81702106	27-01-2021T10:11:58	Yes
AR5444	81676913	27-01-2021T10:11:58	Yes
AR5445	81676895	27-01-2021T10:11:58	Yes
AR5446	81722406	27-01-2021T10:11:58	Yes
AR5447	81722379	27-01-2021T10:11:58	Yes
AR5448	81722237	27-01-2021T10:11:58	Yes
AR5449	81729764	27-01-2021T10:11:58	Yes
AR5450	81751917	27-01-2021T10:11:58	Yes
AR5451	81752082	27-01-2021T10:11:58	Yes
AR5452	81676777	27-01-2021T10:11:58	Yes
AR5453	81838576	27-01-2021T10:11:58	Yes
AR5454	81838616	27-01-2021T10:11:58	Yes
AR5455	81867542	27-01-2021T10:11:58	Yes
AR5456	81890171	27-01-2021T10:11:58	Yes
AR5457	81889810	27-01-2021T10:11:58	Yes
AR5458	81890212	27-01-2021T10:11:58	Yes
AR5459	81890278	27-01-2021T10:11:58	Yes
AR5460	81890240	27-01-2021T10:11:58	Yes
AR5461	81889868	27-01-2021T10:11:58	Yes
AR5462	81920157	27-01-2021T10:11:58	Yes
AR5463	81919929	27-01-2021T10:11:58	Yes
AR5464	81920086	27-01-2021T10:11:58	Yes
AR5465	81920300	27-01-2021T10:11:58	Yes
AR5466	81867774	27-01-2021T10:11:58	Yes
AR5467	81975301	27-01-2021T10:11:58	Yes
AR5468	82044751	27-01-2021T10:11:58	Yes
AR5469	82134698	27-01-2021T10:11:58	Yes
AR5470	82157043	27-01-2021T10:11:58	Yes
AR5471	82162679	27-01-2021T10:11:58	Yes
AR5472	82499970	27-01-2021T10:11:58	Yes
AR5473	82075233	27-01-2021T10:11:58	Yes
AR5474	82499921	27-01-2021T10:11:58	Yes
AR5475	82584819	27-01-2021T10:11:58	Yes
AR5476	82584876	27-01-2021T10:11:58	Yes
AR5477	82584919	27-01-2021T10:11:58	Yes
AR5478	201450	27-01-2021T10:11:58	Yes
AR5479	83655155	27-01-2021T10:11:58	Yes
AR5480	83652798	27-01-2021T10:11:58	Yes
AR5481	83652773	27-01-2021T10:11:58	Yes
AR5482	83655030	27-01-2021T10:11:58	Yes
AR5483	83676036	27-01-2021T10:11:58	Yes
AR5484	83696905	27-01-2021T10:11:58	Yes
AR5485	84267423	27-01-2021T10:11:58	Yes
AR5486	84268192	27-01-2021T10:11:58	Yes
AR5487	84268308	27-01-2021T10:11:58	Yes
AR5488	84903494	27-01-2021T10:11:58	Yes
AR5489	84903565	27-01-2021T10:11:58	Yes
AR5490	84897798	27-01-2021T10:11:58	Yes
AR5491	84897868	27-01-2021T10:11:58	Yes
AR5492	85062451	27-01-2021T10:11:58	Yes
AR5493	85061100	27-01-2021T10:11:58	Yes
AR5494	85058495	27-01-2021T10:11:58	Yes

EASI.62 : Samples Received for Subproject

Sample Barcode	Sample Name	Received date	Sequenced
AR5495	85061059	27-01-2021T10:11:58	Yes
AR5496	85365717	27-01-2021T10:11:58	Yes
AR5497	85365681	27-01-2021T10:11:58	Yes
AR5498	85558331	27-01-2021T10:11:58	Yes
AR5499	85558664	27-01-2021T10:11:58	Yes
AR5500	85558380	27-01-2021T10:11:58	Yes
AR5501	85587992	27-01-2021T10:11:58	Yes
AR5502	85587952	27-01-2021T10:11:58	Yes
AR5503	85958162	27-01-2021T10:11:58	Yes
AR5504	85958037	27-01-2021T10:11:58	Yes
AR5505	85957877	27-01-2021T10:11:58	Yes
AR5506	85958253	27-01-2021T10:11:58	Yes
AR5507	85997778	27-01-2021T10:11:58	Yes
AR5508	85997987	27-01-2021T10:11:58	Yes
AR5509	200595	27-01-2021T10:11:58	Yes
AR5510	200605	27-01-2021T10:11:58	Yes
AR5511	200613	27-01-2021T10:11:58	Yes
AR5512	200681	27-01-2021T10:11:58	Yes
AR5513	200742	27-01-2021T10:11:58	Yes
AR5514	200812	27-01-2021T10:11:58	Yes
AR5515	200230	27-01-2021T10:11:58	Yes
AR5516	200254	27-01-2021T10:11:58	Yes
AR5517	200222	27-01-2021T10:11:58	Yes
AR5518	200250	27-01-2021T10:11:58	Yes
AR5519	200261	27-01-2021T10:11:58	Yes
AR5520	200280	27-01-2021T10:11:58	Yes
AR5521	200287	27-01-2021T10:11:58	Yes
AR5522	200289	27-01-2021T10:11:58	Yes
AR5523	200348	27-01-2021T10:11:58	Yes
AR5524	200379	27-01-2021T10:11:58	Yes
AR5525	200381	27-01-2021T10:11:58	Yes
AR5526	200384	27-01-2021T10:11:58	Yes
AR5527	200402	27-01-2021T10:11:58	Yes
AR5528	200435	27-01-2021T10:11:58	Yes
AR5529	200565	27-01-2021T10:11:58	Yes
AR5530	200616	27-01-2021T10:11:58	Yes
AR5531	200736	27-01-2021T10:11:58	Yes
AR5532	200745	27-01-2021T10:11:58	Yes
AR5533	200807	27-01-2021T10:11:58	Yes
AR5534	200821	27-01-2021T10:11:58	Yes
AR5535	200847	27-01-2021T10:11:58	Yes
AR5536	200955	27-01-2021T10:11:45	Yes
AR5537	201003	27-01-2021T10:11:45	Yes
AR5538	201026	27-01-2021T10:11:45	Yes
AR5539	201028	27-01-2021T10:11:45	Yes