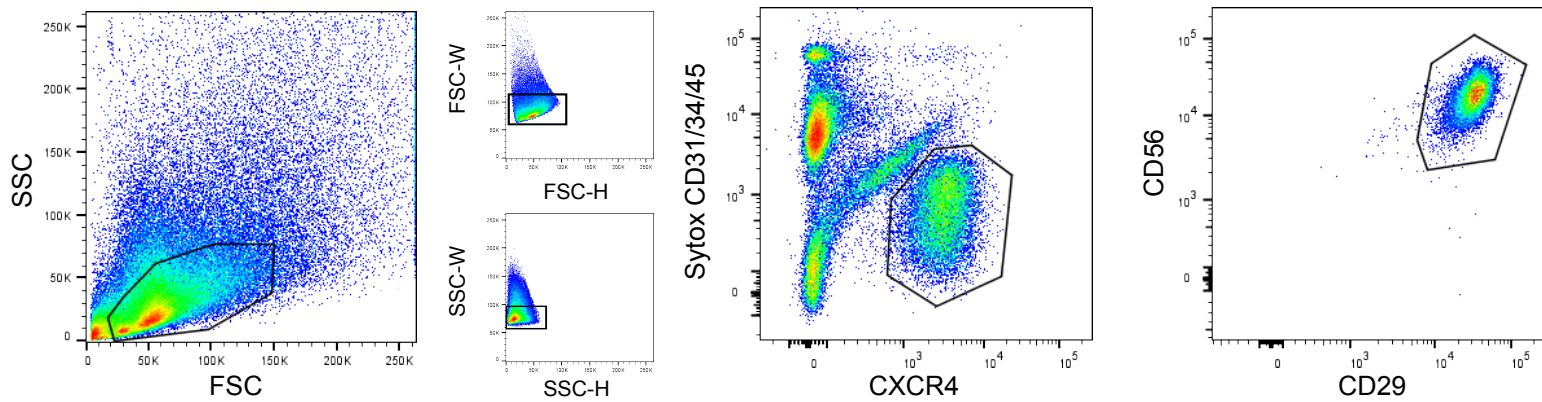


a



b

Muscle type	Vastus Lateralis	Vastus Lateralis	Vastus Lateralis	Vastus Lateralis	Vastus Lateralis	Vastus Lateralis	Vastus Lateralis
Age	20	52	55	57	66	73	83
Gender	Male	Male	Male	Female	Male	Male	Male
Estimated Number of Cells	5,206	19,993	9,847	16,881	3,913	4,412	4,833
Mean Reads per Cell	166,925	25,282	48,811	25,571	121,205	126,458	72,503
Median Genes per Cell	2,588	2,210	1,992	2,205	2,893	2,237	2,455
Number of Reads	869,015,400	505,478,607	480,649,768	431,670,025	474,277,345	557,935,468	350,410,552
Valid Barcodes	97.4%	97.5%	97.4%	97.2%	97.9%	97.3%	97.5%
Reads Mapped Confidently to Transcriptome	65.1%	68.3%	72.7%	70.1%	68.8%	67.3%	61.1%
Reads Mapped Confidently to Exonic Regions	68.5%	72.1%	76.6%	74.1%	72.6%	71.0%	64.7%
Reads Mapped Confidently to Intronic Regions	17.1%	13.6%	9.9%	13.0%	14.7%	12.7%	19.9%
Reads Mapped Confidently to Intergenic Regions	8.5%	8.2%	7.5%	7.0%	7.5%	9.2%	9.3%
Sequencing Saturation	83.6%	53.4%	79.3%	57.0%	74.6%	83.2%	68.9%
Fraction Reads in Cells	85.9%	92.2%	93.6%	92.6%	84.3%	79.9%	88.3%
Median UMI Counts per Cell	8,233	6,530	5,970	6,382%	8,822	6,922	7,946%
Transcriptome	GRCh38	GRCh38	GRCh38	GRCh38	GRCh38	GRCh38	GRCh38
Chemistry	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3

c

Muscle type	Rectus Abdominis	Rectus Abdominis	Pectoralis Major	Pectoralis Major	Rectus Femoris	Vastus Lateralis
Age	56	59	21	40	84	56
Gender	Female	Female	Female	Female	Male	Male
Estimated Number of Cells	20,868	2,369	2,394	6,897	5,062	7,618
Mean Reads per Cell	33,641	315,081	244,085	68,486	29,570	19,050
Median Genes per Cell	539	2,266	2,378	2,535	780	852
Number of Reads	702,030,725	746,429,103	584,340,194	479,249,662	149,686,461	145,126,217
Valid Barcodes	97.1%	96.8%	97.7%	97.1%	92.90%	88.50%
Reads Mapped Confidently to Transcriptome	41.5%	52.9%	65.7%	73.5%	64.60%	63.70%
Reads Mapped Confidently to Exonic Regions	45.6%	57.3%	69.9%	61.5%	68.00%	67.30%
Reads Mapped Confidently to Intronic Regions	38.8%	29.2%	17.2%	65.9%	12.80%	12.40%
Reads Mapped Confidently to Intergenic Regions	8.9%	6.2%	7.3%	21.9%	8.10%	7.00%
Sequencing Saturation	92.0%	92.3%	94.2%	73.5%	87.20	72.90%
Fraction Reads in Cells	95.8%	93.7%	95.6%	90.7%	96.30	94.00%
Median UMI Counts per Cell	819	6,981	7,289%	7,389	1,753	2,297
Transcriptome	GRCh38	GRCh38	GRCh38	GRCh38	hg19	hg19
Chemistry	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v3	Single Cell 3' v1	Single Cell 3' v1

Figure 1-figure supplement 1