


Customer name:	Janvier Labs
Project name:	Clustering
Organism:	Mouse
Analysis level:	Gene
Date:	2014-08-29
Algorithm version:	EASANA 2014_1
GS contact (name/email/phone):	Khema JAGOK khema.jacossing@genosplice.com , +33 (0) 1 57 27 47 46



Euclidean distance between samples (with X and Y chromosomes)

	Reference	BioLabs	BioLabs	Jax_A4	Jax_A5	C57BL.6T	C57BL.6N	C57BL.6T	C57BL.6N	C57BL.6J	C57BL.6J	BALB.cByJ	C57BL.6J	C57BL.6J	C3H.HeJ	C57BL.6J	C57BL.6N	C57BL.6N	C57BL.6N	C57BL.6N	FVB.NJ	C57BL.6N	C57BL.6N	DBA.1J	DBA.2J	BALB.cJ	X129X1.SvJ	CBA.J	
	.C57BL.6J	9192	9193	477	478	c.male.ep13	J.M	c.male.ep14	J.M.1	F	F.1	F.2	M	M.1	J	M.2	J.F	J.F.1	J.F.2	J.F.2	J.F.2	Cl.male.ep12	Cl.male.ep11	J.M.2				vJ	
Reference.C57BL.6J	0.00	78.13	96.78	78.16	96.60	81.07	81.00	81.00	81.00	96.60	96.62	96.60	610.75	77.90	77.93	639.21	77.93	99.11	99.11	81.07	99.13	628.04	81.02	81.00	636.72	641.05	610.35	643.81	641.27
BioLabs_9192	78.13	0.00	67.22	8.25	66.95	23.92	23.66	23.83	23.66	66.95	66.98	66.95	605.99	6.00	6.32	634.67	6.32	70.81	70.81	24.08	70.84	623.46	23.92	23.66	632.21	636.56	605.59	639.31	636.77
BioLabs_9193	96.78	67.22	0.00	67.19	6.63	70.72	70.64	70.70	70.64	6.63	6.93	6.63	610.20	66.83	66.86	638.62	66.86	23.83	23.83	70.78	23.92	627.24	70.78	70.64	635.94	640.25	609.81	643.27	640.74
Jax_A4_477	78.16	8.25	67.19	0.00	66.80	24.00	23.75	23.92	23.75	66.86	66.89	66.86	606.00	6.32	6.63	634.69	6.63	70.72	70.72	24.17	70.75	623.47	24.00	23.75	632.22	636.57	605.61	639.33	636.79
Jax_A5_478	96.60	66.95	6.63	66.80	0.00	70.41	70.33	70.38	70.33	2.83	3.46	2.83	610.17	66.50	66.53	638.60	66.53	23.07	23.07	70.47	23.15	627.23	70.47	70.33	635.92	640.24	609.78	643.26	640.72
C57BL.6Tc.male.ep13	81.07	23.92	70.72	24.00	70.41	0.00	3.46	4.47	3.46	70.41	70.44	70.41	605.58	23.15	23.24	634.30	23.24	66.65	66.65	4.90	66.68	623.09	4.00	3.46	631.83	636.18	605.18	638.93	636.40
C57BL.6NJ.M	81.00	23.66	70.64	23.75	70.33	3.46	0.00	2.83	0.00	70.33	70.36	70.33	605.58	22.89	22.98	634.29	22.98	66.56	66.56	4.47	66.59	623.09	3.46	0.00	631.82	636.17	605.18	638.92	636.39
C57BL.6Tc.male.ep14	81.00	23.83	70.70	23.92	70.38	4.47	2.83	0.00	2.83	70.38	70.41	70.38	605.58	23.07	23.15	634.29	23.15	66.62	66.62	4.47	66.65	623.09	3.46	2.83	631.83	636.17	605.19	638.93	636.40
C57BL.6NJ.M.1	81.00	23.66	70.64	23.75	70.33	3.46	0.00	2.83	0.00	70.33	70.36	70.33	605.58	22.89	22.98	634.29	22.98	66.56	66.56	4.47	66.59	623.09	3.46	0.00	631.82	636.17	605.18	638.92	636.39
C57BL.6J.F	96.60	66.95	6.63	66.86	2.83	70.41	70.33	70.38	70.33	0.00	3.46	2.83	610.17	66.50	66.53	638.60	66.53	23.07	23.07	70.47	23.15	627.23	70.47	70.33	635.92	640.24	609.78	643.26	640.72
C57BL.6J.F.1	96.62	66.98	6.93	66.89	3.46	70.44	70.36	70.41	70.36	3.46	0.00	3.46	610.17	66.53	66.56	638.60	66.56	23.15	23.15	70.50	23.24	627.24	70.50	70.36	635.92	640.23	609.78	643.27	640.72
C57BL.6J.F.2	96.60	66.95	6.63	66.86	2.83	70.41	70.33	70.38	70.33	2.83	3.46	0.00	610.17	66.50	66.53	638.60	66.53	23.07	23.07	70.47	23.15	627.23	70.47	70.33	635.92	640.24	609.78	643.26	640.72
BALB.cByJ	610.75	605.99	610.20	606.00	610.17	605.58	605.58	605.58	610.17	610.17	610.17	0.00	605.97	605.97	605.97	518.24	605.97	609.78	609.78	605.59	609.79	587.93	605.59	605.58	586.30	590.53	33.35	607.32	537.48
C57BL.6J.M	77.90	6.00	66.83	6.32	66.50	23.15	22.89	23.07	22.89	66.50	66.53	66.50	605.97	0.00	2.00	634.66	2.00	70.38	70.38	23.32	70.41	623.45	23.15	22.89	632.19	636.54	605.57	639.30	636.76
C57BL.6J.M.1	77.93	6.32	66.86	6.63	66.53	23.24	22.98	23.15	22.98	66.53	66.56	66.53	605.97	2.00	0.00	634.67	2.83	70.41	70.41	23.41	70.44	623.46	23.24	22.98	632.19	636.54	605.58	639.30	636.76
C3H.HeJ	639.21	634.67	638.62	634.69	638.60	634.29	634.29	634.29	634.29	638.60	638.60	638.60	518.24	634.66	634.67	0.00	634.67	638.23	638.23	634.30	638.24	597.47	634.30	634.29	537.91	534.21	517.75	631.34	351.88
C57BL.6J.M.2	77.93	6.32	66.86	6.63	66.53	23.24	22.98	23.15	22.98	66.53	66.56	66.53	605.97	2.00	2.83	634.67	0.00	70.41	70.41	23.41	70.44	623.46	23.24	22.98	632.19	636.54	605.58	639.30	636.76
C57BL.6NJ.F	99.11	70.81	23.83	70.72	23.07	66.65	66.56	66.62	66.56	23.07	23.15	23.07	609.78	70.38	70.41	638.23	70.41	0.00	0.00	66.71	2.00	626.87	66.71	66.56	635.56	639.87	609.39	642.90	640.36
C57BL.6NJ.F.1	99.11	70.81	23.83	70.72	23.07	66.65	66.56	66.62	66.56	23.07	23.15	23.07	609.78	70.38	70.41	638.23	70.41	0.00	0.00	66.71	2.00	626.87	66.71	66.56	635.56	639.87	609.39	642.90	640.36
C57BL.6NCI.male.ep12	81.07	24.08	70.78	24.17	70.47	4.90	4.47	4.47	4.47	70.47	70.50	70.47	605.59	23.32	23.41	634.30	23.41	66.71	66.71	0.00	66.74	623.10	4.00	4.47	631.83	636.18	605.19	638.93	636.40
C57BL.6NJ.F.2	99.13	70.84	23.92	70.75	23.15	66.68	66.59	66.65	66.59	23.15	23.24	23.15	609.79	70.41	70.44	638.24	70.44	2.00	2.00	66.74	0.00	626.88	66.74	66.59	635.56	639.87	609.40	642.90	640.37
FVB.NJ	628.04	623.46	627.24	623.47	627.23	623.09	623.09	623.09	623.09	627.23	627.24	627.23	587.93	623.45	623.46	597.47	623.46	626.87	626.87	623.10	626.88	0.00	623.10	623.09	616.45	620.60	587.50	642.40	600.50
C57BL.6NCI.male.ep11	81.02	23.92	70.78	24.00	70.47	4.00	3.46	3.46	3.46	70.47	70.50	70.47	605.59	23.15	23.24	634.30	23.24	66.71	66.71	4.00	66.74	623.10	0.00	3.46	631.83	636.18	605.19	638.93	636.40
C57BL.6NJ.M.2	81.00	23.66	70.64	23.75	70.33	3.46	0.00	2.83	0.00	70.33	70.36	70.33	605.58	22.89	22.98	634.29	22.98	66.56	66.56	4.47	66.59	623.09	3.46	0.00	631.82	636.17	605.18	638.92	636.39
DBA.1J	636.72	632.21	635.94	632.22	635.92	631.83	631.82	631.83	631.82	635.92	635.92	635.92	586.30	632.19	632.19	537.91	632.19	635.56	635.56	631.83	635.56	616.45	631.83	631.82	0.00	244.00	585.88	641.68	508.72
DBA.2J	641.05	636.56	640.25	636.57	640.24	636.18	636.17	636.17	636.17	640.24	640.23	640.24	590.53	636.54	636.54	534.21	636.54	639.87	639.87	636.18	639.87	620.60	636.17	636.17	244.00	0.00	590.11	646.06	519.48
BALB.cJ	610.35	605.59	609.81	605.61	609.78	605.18	605.18	605.19	605.18	609.78	609.78	609.78	33.35	605.57	605.58	517.75	605.58	609.39	609.39	605.19	609.40	587.50	605.19	605.18	585.88	590.11	0.00	606.84	536.95
X129X1.SvJ	643.81	639.31	643.27	639.33	643.26	638.93	638.92	638.93	638.92	643.26	643.27	643.26	607.32	639.30	639.30	631.34	639.30	642.90	642.90	642.90	642.40	638.93	638.92	641.68	646.06	606.84	0.00	636.54	
CBA.J	641.27	636.77	640.74	636.79	640.72	636.40	636.39	636.40	636.39	640.72	640.72	640.72	537.48	636.76	636.76	351.88	636.76	640.36	640.36	636.40	640.37	600.50	636.40	636.39	508.72	519.48	536.95	636.54	0.00

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Euclidean distance between samples (without X and Y chromosomes)

	Reference C57BL.6J	BioLabs_9192	BioLabs_9193	Jax_A4_4_77	Jax_A5_4_78	C57BL.6T c.male.ep13	C57BL.6N J.M	C57BL.6T c.male.ep14	C57BL.6N J.M.1	C57BL.6J F	C57BL.6J F.1	C57BL.6J F.2	BALB.cByJ	C57BL.6J M	C57BL.6J M.1	C3H.HeJ	C57BL.6J M.2	C57BL.6N J.F	C57BL.6N J.F.1	C57BL.6N Cl.male.e p12	C57BL.6N J.F.2	FVB.NJ	C57BL.6N Cl.male.e p11	C57BL.6N J.M.2	DBA.1J	DBA.2J	BALB.cJ	X129X1.S vJ	CBA.J
Reference.C57BL.6J	0.00	74.55	74.63	74.65	74.38	77.67	77.60	77.60	77.60	74.41	74.44	74.41	602.51	74.44	74.44	632.52	74.44	77.54	77.54	77.57	624.03	77.60	77.60	633.32	637.71	602.11	637.12	634.81	
BioLabs_9192	74.55	0.00	7.21	6.93	4.90	23.24	22.98	23.15	22.98	5.29	5.66	5.29	598.11	4.00	4.00	628.33	4.00	23.15	23.15	23.41	23.24	619.82	23.15	22.98	629.19	633.60	597.71	632.97	630.66
BioLabs_9193	74.63	7.21	0.00	8.72	6.00	23.83	23.58	23.75	23.58	6.32	6.63	6.32	598.12	6.63	6.63	628.34	6.63	23.41	23.41	24.00	23.49	619.82	23.75	23.58	629.19	633.60	597.72	632.98	630.66
Jax_A4_477	74.65	6.93	8.72	0.00	6.32	23.58	23.32	23.49	23.32	6.63	6.93	6.63	598.12	5.66	5.66	628.34	5.66	23.49	23.49	23.75	23.58	619.83	23.49	23.32	629.20	633.60	597.72	632.99	630.66
Jax_A5_478	74.38	4.90	6.00	6.32	0.00	23.07	22.80	22.98	22.80	2.00	2.83	2.00	598.10	2.83	2.83	628.33	2.83	22.63	22.63	23.24	22.72	619.82	22.80	629.18	633.59	597.70	632.97	630.66	
C57BL.6Tc.male.ep13	77.67	23.24	23.83	23.58	23.07	0.00	3.46	4.47	3.46	23.15	23.24	23.15	597.71	22.89	22.89	627.96	22.89	4.47	4.47	4.90	4.90	619.46	3.46	3.46	628.82	633.23	597.31	632.61	630.30
C57BL.6NJ.M	77.60	22.98	23.58	23.32	22.80	3.46	0.00	2.83	0.00	22.89	22.98	22.89	597.71	22.63	22.63	627.96	22.63	2.83	2.83	4.47	4.47	619.46	2.83	0.00	628.81	633.22	597.30	632.60	630.30
C57BL.6Tc.male.ep14	77.60	23.15	23.75	23.49	22.98	4.47	2.83	0.00	2.83	23.07	23.15	23.07	597.71	22.80	22.80	627.96	22.80	4.00	4.00	4.47	4.47	619.47	2.83	2.83	628.82	633.22	597.31	632.61	630.30
C57BL.6NJ.M.1	77.60	22.98	23.58	23.32	22.80	3.46	0.00	2.83	0.00	22.89	22.98	22.89	597.71	22.63	22.63	627.96	22.63	2.83	2.83	4.47	4.47	619.46	2.83	0.00	628.81	633.22	597.30	632.60	630.30
C57BL.6J.F	74.41	5.29	6.32	6.63	2.00	23.15	22.89	23.07	22.89	0.00	3.46	2.83	598.10	3.46	3.46	628.33	3.46	22.72	22.72	23.32	22.80	619.82	23.07	22.89	629.19	633.59	597.70	632.98	630.67
C57BL.6J.F.1	74.44	5.66	6.63	6.93	2.83	23.24	22.98	23.15	22.98	3.46	0.00	3.46	598.11	4.00	4.00	628.33	4.00	22.80	22.80	23.41	22.89	619.82	23.15	22.98	629.18	633.59	597.71	632.98	630.66
C57BL.6J.F.2	74.41	5.29	6.32	6.63	2.00	23.15	22.89	23.07	22.89	2.83	3.46	0.00	598.10	3.46	3.46	628.33	3.46	22.72	22.72	23.32	22.80	619.82	23.07	22.89	629.19	633.59	597.70	632.98	630.67
BALB.cByJ	602.51	598.11	598.12	598.12	598.10	597.71	597.71	597.71	597.71	598.10	598.11	598.10	0.00	598.09	598.09	515.66	598.09	597.71	597.71	597.72	597.72	581.09	597.71	597.71	579.10	583.28	32.74	604.86	534.24
C57BL.6J.M	74.44	4.00	6.63	5.66	2.83	22.89	22.63	22.80	22.63	3.46	4.00	3.46	598.09	0.00	0.00	628.32	0.00	22.80	22.80	23.07	22.89	619.82	22.80	22.63	629.18	633.58	597.69	632.97	630.66
C57BL.6J.M.1	74.44	4.00	6.63	5.66	2.83	22.89	22.63	22.80	22.63	3.46	4.00	3.46	598.09	0.00	0.00	628.32	0.00	22.80	22.80	23.07	22.89	619.82	22.80	22.63	629.18	633.58	597.69	632.97	630.66
C3H.HeJ	632.52	628.33	628.34	628.34	628.33	627.96	627.96	627.96	627.96	628.33	628.33	628.33	515.66	628.32	628.32	0.00	628.32	627.96	627.96	627.96	627.96	590.62	627.96	627.96	532.30	528.62	515.19	628.29	350.58
C57BL.6J.M.2	74.44	4.00	6.63	5.66	2.83	22.89	22.63	22.80	22.63	3.46	4.00	3.46	598.09	0.00	0.00	628.32	0.00	22.80	22.80	23.07	22.89	619.82	22.80	22.63	629.18	633.58	597.69	632.97	630.66
C57BL.6NJ.F	77.54	23.15	23.41	23.49	22.63	4.47	2.83	4.00	2.83	22.72	22.80	22.72	597.71	22.80	22.80	627.96	22.80	0.00	0.00	5.29	2.00	619.45	4.00	2.83	628.82	633.22	597.31	632.61	630.30
C57BL.6NJ.F.1	77.54	23.15	23.41	23.49	22.63	4.47	2.83	4.00	2.83	22.72	22.80	22.72	597.71	22.80	22.80	627.96	22.80	0.00	0.00	5.29	2.00	619.45	4.00	2.83	628.82	633.22	597.31	632.61	630.30
C57BL.6NCI.male.ep12	77.67	23.41	24.00	23.75	23.24	4.90	4.47	4.47	4.47	23.32	23.41	23.32	597.72	23.07	23.07	627.96	23.07	5.29	5.29	0.00	5.66	619.47	3.46	4.47	628.82	633.23	597.31	632.61	630.30
C57BL.6NJ.F.2	77.57	23.24	23.49	23.58	22.72	4.90	3.46	4.47	3.46	22.80	22.89	22.80	597.72	22.89	22.89	627.96	22.89	2.00	2.00	5.66	0.00	619.46	4.47	3.46	628.82	633.23	597.31	632.61	630.30
FVB.NJ	624.03	619.82	619.82	619.83	619.82	619.46	619.46	619.46	619.46	619.82	619.82	619.82	581.09	619.82	619.82	590.62	619.82	619.45	619.45	619.47	619.46	0.00	619.47	619.46	612.66	616.75	580.65	636.96	594.32
C57BL.6NCI.male.ep11	77.60	23.15	23.75	23.49	22.98	3.46	2.83	2.83	2.83	23.07	23.15	23.07	597.71	22.80	22.80	627.96	22.80	4.00	4.00	3.46	4.47	619.47	0.00	2.83	628.82	633.22	597.31	632.61	630.30
C57BL.6NJ.M.2	77.60	22.98	23.58	23.32	22.80	3.46	0.00	2.83	0.00	22.89	22.98	22.89	597.71	22.63	22.63	627.96	22.63	2.83	2.83	4.47	3.46	619.46	2.83	0.00	628.81	633.22	597.30	632.60	630.30
DBA.1J	633.32	629.19	629.19	629.20	629.18	628.82	628.81	628.82	628.81	629.19	629.18	629.19	579.10	629.18	629.18	532.30	629.18	628.82	628.82	628.82	628.82	612.66	628.82	628.81	0.00	243.70	578.68	635.74	503.63
DBA.2J	637.71	633.60	633.60	633.60	633.59	633.23	633.22	633.22	633.22	633.59	633.59	633.59	583.28	633.58	633.58	528.62	633.58	633.22	633.22	633.22	633.23	616.75	633.22	633.22	243.70	0.00	582.85	640.07	514.57
BALB.cJ	602.11	597.71	597.72	597.72	597.70	597.31	597.30	597.30	597.30	597.70	597.71	597.70	32.74	597.69	597.69	515.19	597.69	597.31	597.31	597.31	597.31	590.65	597.31	597.30	578.68	582.85	0.00	604.41	533.72
X129X1.SvJ	637.12	632.97	632.98	632.98	632.97	632.61	632.60	632.61	632.60	632.98	632.98	632.98	604.86	632.97	632.97	628.29	632.97	632.61	632.61	632.61	632.61	632.61	632.61	632.61	632.60	636.74	640.07	604.41	0.00
CBA.J	634.81	630.66	630.66	630.66	630.66	630.30	630.30	630.30	630.30	630.67	630.66	630.67	534.24	630.66	630.66	350.58	630.66	630.30	630.30	630.30	630.30	594.32	630.30	630.30	503.63	514.57	533.72	633.77	0.00