Supporting Information

Table 1: Mean concentrations of flavour compounds in distillate samples over time (ng/g) (n=3). (Table 1a: compounds 1-12; Table 1b: compounds 13-24; Table 1c: compounds 25-36; Table 1d: compounds 37-48; Table 1e: compounds 49-60; Table 1f: compounds 61-74).

a.

Sample Name	Distillation Time (Min)	Acetone [Solvent] §		a-Pinene [Herbal]		alpha-thujene [Woody]		Toluene [Sweet] §		alpha-fenchene [Camphoreous]		Camphene [Woody]		(-)-b-Pinene [Herbal]		Sabinene [Woody] §		3-Carene [Citrus]		Myrcene [Spicy]		a-Terpinene [Woody]		2,3-dihydro-1,8-cineole [Minty]	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	11.3	12.2	7539.0	6906.3	3242.2	3290.9	21.7	7.6	32.3	35.9	1598.3	1653.4	4867.5	3418.4	210.6	182.3	1482.8	1556.4	12950.7	11507.4	1241.7	1120.8	0.3	0.1
Heads_Cut	5	16.2	15.3	3048.1	5279.5	3727.8	3926.9	9.7	3.3	22.4	14.6	1054.1	697.9	5281.2	2907.9	312.8	279.6	954.6	400.9	11735.9	5823.5	1052.3	573.3	0.2	0.2
Hearts_15	15	6.1	5.4	8015.1	4712.1	1184.2	560.4	3.3	0.7	7.8	4.4	213.8	119.5	2489.9	1384.0	84.6	145.3	618.0	356.2	6994.9	4204.5	617.4	334.3	0.1	0.1
Hearts_30	30	5.6	4.9	7231.5	4812.9	1196.4	646.2	0.6	1.0	6.7	4.3	130.9	84.4	2216.5	1364.9	189.6	164.6	535.9	476.2	6629.9	4228.8	598.1	335.8	0.1	0.1
Hearts_45	45	5.7	5.5	7149.4	4825.0	1201.9	669.8	0.6	1.1	6.3	4.1	99.2	63.2	1977.1	1255.6	187.7	166.2	603.9	416.3	6551.0	4172.4	610.3	337.5	0.1	0.1
Hearts_60	60	4.5	4.7	6840.7	4353.0	1216.0	681.8	0.0	0.0	5.9	3.7	84.0	50.5	1851.2	1151.9	108.4	187.4	652.7	437.7	6668.3	4131.8	669.8	379.5	0.1	0.1
Hearts_75	75	4.6	4.0	4889.4	2494.6	900.8	356.0	0.0	0.0	3.8	1.5	52.8	21.7	1184.4	489.7	64.5	111.8	435.5	198.2	4284.1	1978.5	433.6	139.2	0.1	0.0
Hearts_90	90	5.1	4.8	5217.0	3713.2	921.9	551.5	0.3	0.5	4.2	2.7	55.5	36.0	1289.1	872.8	80.1	138.3	527.7	465.5	4960.0	3612.4	525.1	329.3	0.1	0.0
Hearts_105	105	4.3	3.5	3610.8	3812.3	613.2	609.4	0.0	0.0	2.8	3.0	35.6	36.4	790.0	857.7	80.0	138.5	376.1	524.9	3175.0	3771.2	350.2	444.9	0.1	0.1
Hearts_120	120	4.8	4.2	4854.3	2867.8	836.1	452.8	0.0	0.0	3.6	2.0	46.5	25.0	1082.8	624.9	0.6	0.6	257.6	315.2	4468.6	2802.8	527.6	293.3	0.1	0.0
Hearts_135	135	4.8	3.7	4298.4	2153.5	699.5	289.4	0.2	0.4	3.0	1.3	38.7	16.5	880.3	414.9	0.1	0.3	390.6	339.8	3356.1	1922.5	353.6	307.7	0.1	0.0
Hearts_150	150	4.2	4.4	3657.7	2100.6	607.5	318.2	0.2	0.4	2.5	1.3	32.2	16.3	725.3	396.2	0.1	0.2	350.1	315.7	2793.4	1815.4	336.9	300.4	0.1	0.0
Hearts_165	165	4.8	4.1	1868.1	2115.8	300.4	319.5	0.2	0.3	1.3	1.4	16.7	17.3	377.8	415.6	0.1	0.2	217.1	282.1	1362.4	1738.9	223.1	253.4	0.1	0.0
Hearts_180	180	5.3	4.0	1539.4	975.8	222.2	111.1	0.2	0.3	0.9	0.5	12.3	6.0	257.0	139.9	0.4	0.1	112.8	108.5	937.8	625.8	177.1	88.7	0.1	0.0
Hearts_195	195	5.8	5.7	2070.8	1095.1	288.7	130.6	0.2	0.3	1.3	0.6	16.3	6.9	336.3	155.0	0.4	0.4	171.7	96.7	1142.5	611.2	241.6	98.8	0.2	0.0
Hearts_210	210	3.9	3.4	2339.0	1509.4	296.3	163.7	0.2	0.3	1.4	0.8	18.4	10.4	376.2	221.2	0.6	0.2	89.3	109.4	1414.5	984.3	304.4	170.3	0.2	0.0
Hearts_225	225	6.4	4.4	2079.0	1755.0	272.0	218.7	0.2	0.3	1.3	1.1	17.2	14.2	358.8	294.1	0.6	0.5	96.8	167.5	1502.1	1301.5	349.5	302.9	0.3	0.1
Hearts_240	240	5.4	1.3	1931.7	1183.7	241.1	133.9	0.2	0.3	1.2	0.6	15.9	8.9	313.5	187.0	0.9	0.3	67.3	116.6	1249.2	877.0	338.7	197.3	0.3	0.1
Hearts_255	255	6.1	3.0	2002.0	1149.8	232.5	121.0	0.2	0.4	1.1	0.6	15.1	7.4	293.2	157.0	1.0	0.3	91.1	121.9	1268.5	827.1	217.5	258.6	0.5	0.1
Hearts_270	270	5.2	1.6	1701.4	1228.8	204.0	136.5	0.5	0.5	1.0	0.7	13.2	8.5	250.4	168.4	1.1	0.5	59.9	84.2	1092.7	803.5	156.3	191.9	0.6	0.2
Hearts_285	285	4.4	1.8	1242.8	749.5	139.8	74.6	0.7	0.2	0.7	0.4	9.5	4.4	175.8	88.2	1.2	0.5	80.0	70.1	696.1	444.9	194.4	170.3	0.8	0.2
Hearts_300	300	6.3	2.2	1515.0	992.0	166.8	102.8	0.9	0.2	0.9	0.5	11.6	6.9	211.6	132.5	1.7	0.7	48.1	59.9	902.7	611.6	128.4	144.8	1.3	0.4
Hearts_315	315	7.2	2.1	1210.9	844.0	138.0	89.1	0.9	0.1	0.6	0.6	9.3	5.4	167.3	107.4	1.5	0.3	72.9	82.0	688.9	602.3	167.5	190.5	1.7	0.2
Hearts_330 ‡	330	7.0	-	1673.7	-	176.1	-	1.0	-	0.9	-	12.0	-	216.6	-	1.7	-	117.1	-	902.8	-	248.5	-	2.0	-
Hearts_345 ‡	345	9.0	-	1524.2	-	165.3	-	1.1	-	0.8	-	11.5	-	211.3	-	1.9	-	117.6	-	895.2	-	248.8	-	2.7	-
Hearts_360 ‡	360	4.2	-	1173.7	-	126.3	-	0.9	-	0.7	-	9.4	-	181.9	-	1.9	-	109.9	-	939.5	-	247.3	-	3.8	-
Tails_Cut	370	7.4	1.5	1440.6	890.8	150.9	82.8	1.1	0.3	0.7	0.7	12.0	7.0	229.7	136.8	2.0	0.7	70.8	122.6	1050.2	725.9	131.5	227.8	4.6	2.4
Tails_15	385	7.7	1.9	1145.8	739.4	114.1	74.4	1.2	0.3	0.7	0.4	9.7	5.1	176.8	110.5	1.2	0.7	52.8	91.4	587.8	468.9	102.7	177.9	5.6	2.7
Tails_30	400	5.2	1.2	736.6	723.0	73.6	64.1	1.1	0.2	0.5	0.4	7.2	5.7	116.2	93.3	0.8	0.4	9.4	13.3	333.0	274.0	25.4	36.0	3.4	0.2

b.

Sample Name	Distillation Time (Min)	(R)-(+)-Limonene [Citrus]		Eucalyptol [Herbal]		b-Phellandrene [Minty]		Sabinene hydrate [Herbal] §		trans-b-Ocimene [Sweet] §		tert-butanol [Camphor] §		g-Terpinene [Terpenic]		B-Ocimene [Floral]		Styrene [Balsamic]		p-Cymene [Terpenic]		Terpinolene [Herbal] §		Octanal [Aldehydic]	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	4961.9	3587.2	22.8	21.7	2383.2	3143.4	4.7	1.7	101.4	101.3	25.4	21.9	6962.1	5442.1	4409.9	7517.7	5.0	2.8	4032.6	2336.0	579.3	504.5	0.3	0.4
Heads_Cut	5	6799.3	4358.9	22.7	18.7	2508.2	1647.0	4.9	1.3	88.4	54.3	36.8	10.1	6199.0	2900.1	126.6	63.6	3.0	1.2	3563.7	1437.1	543.5	250.0	0.6	0.1
Hearts_15	15	5008.9	4143.6	31.1	5.3	1130.0	1000.8	3.9	1.6	46.3	30.2	8.9	15.0	2781.5	1465.2	82.3	52.7	1.4	0.5	1747.6	706.9	366.2	204.1	0.3	0.2
Hearts_30	30	5579.3	3027.5	42.1	18.2	967.7	844.7	5.2	3.0	42.3	28.3	14.7	12.8	1936.8	1678.1	77.6	52.1	1.2	0.4	1499.9	672.5	396.8	228.8	0.7	0.3
Hearts_45	45	4739.1	2606.9	47.9	33.0	478.4	828.6	6.2	4.4	43.6	28.7	13.5	11.7	1659.2	1462.9	78.2	52.3	0.9	0.2	1252.2	541.0	434.1	247.9	0.8	0.6
Hearts_60	60	4059.8	2289.9	50.2	9.2	502.9	871.1	6.8	2.6	48.1	29.6	12.7	11.9	1822.9	1046.1	85.4	58.3	0.8	0.2	1184.9	570.9	495.5	282.5	0.7	0.2
Hearts_75	75	2169.5	715.6	47.5	4.3	0.0	0.0	5.6	1.1	28.4	10.2	0.1	0.1	825.3	695.3	42.8	16.6	0.4	0.0	677.2	66.9	304.5	93.4	0.7	0.1
Hearts_90	90	2172.2	1399.9	60.3	2.0	0.0	0.0	8.0	2.8	43.0	27.3	0.2	0.1	1094.4	950.3	65.1	46.4	0.5	0.1	674.6	273.4	393.9	244.8	0.9	0.1
Hearts_105	105	1399.8	1567.6	71.7	3.7	0.0	0.0	8.2	4.6	35.4	35.6	5.6	9.6	672.2	1138.0	48.3	57.5	0.3	0.2	504.9	463.8	300.9	327.0	0.9	0.2
Hearts_120	120	1696.7	958.2	82.5	11.0	0.0	0.0	11.5	3.3	52.2	26.5	0.2	0.1	468.2	701.3	70.5	42.9	0.3	0.1	542.7	238.0	396.9	218.8	1.2	0.2
Hearts_135	135	1222.3	599.9	93.6	3.3	0.0	0.0	10.7	2.8	43.4	18.5	0.1	0.1	431.9	677.4	52.3	28.2	0.2	0.0	362.0	111.0	294.3	140.0	1.3	0.1
Hearts_150	150	1029.9	602.6	103.2	18.9	0.0	0.0	12.0	5.3	43.8	24.0	0.1	0.1	327.6	485.9	48.9	31.9	0.2	0.1	290.1	129.8	257.0	148.7	1.5	0.5
Hearts_165	165	535.4	634.4	104.9	23.0	0.0	0.0	8.1	8.1	26.6	29.9	0.1	0.1	342.4	578.3	27.0	32.9	0.1	0.1	146.2	147.1	137.8	160.3	1.3	0.7
Hearts_180	180	402.5	223.3	135.7	28.1	0.0	0.0	10.9	2.7	27.8	10.4	1.6	1.3	23.3	12.4	23.3	12.4	0.2	0.0	116.0	35.3	118.4	58.3	2.0	0.3
Hearts_195	195	508.2	211.1	135.9	15.1	0.0	0.0	10.7	2.0	29.5	9.2	0.1	0.0	25.3	10.4	25.3	10.4	0.1	0.0	121.6	27.1	136.8	48.9	2.1	0.4
Hearts_210	210	644.5	384.0	133.5	21.6	0.0	0.0	9.6	4.9	32.1	18.1	0.1	0.1	31.9	18.8	31.9	18.8	0.2	0.0	128.2	54.6	166.7	87.4	2.2	0.7
Hearts_225	225	774.1	620.9	167.5	28.3	0.1	0.1	11.7	5.4	36.5	24.2	0.3	0.3	36.1	29.5	36.1	29.5	0.2	0.1	137.3	96.3	202.5	155.6	3.0	0.6
Hearts_240	240	740.1	482.0	146.6	12.0	0.0	0.0	10.2	3.0	29.4	15.1	4.6	2.1	28.0	18.8	28.0	18.8	0.2	0.1	117.5	54.4	191.9	111.6	2.7	0.5
Hearts_255	255	807.6	431.8	175.3	30.3	0.0	0.0	12.1	3.7	29.8	13.5	3.6	4.0	336.1	549.5	25.4	15.5	0.3	0.1	126.4	46.9	218.5	110.1	3.6	0.9
Hearts_270	270	735.6	474.5	145.9	33.3	0.2	0.3	9.2	3.3	22.0	10.6	3.3	4.1	18.7	12.0	18.7	12.0	0.3	0.1	119.6	71.6	198.2	116.2	3.0	1.0
Hearts_285	285	554.3	295.3	125.4	4.4	0.2	0.3	6.4	3.1	13.9	7.2	0.3	0.5	10.5	6.0	10.5	6.0	0.4	0.1	81.9	29.4	147.5	75.5	2.7	0.8
Hearts_300	300	847.5	612.3	144.9	30.3	0.9	1.0	8.2	2.5	17.0	7.2	0.6	1.0	12.5	7.6	12.5	7.6	0.6	0.3	113.1	50.0	193.8	101.4	3.6	1.1
Hearts_315	315	581.8	407.6	134.9	22.5	0.6	0.5	6.7	3.3	12.9	7.3	1.8	0.9	8.2	5.7	8.2	5.7	0.7	0.1	96.1	38.1	153.3	107.3	3.4	0.7
Hearts_330 ‡	330	760.9	-	148.1	-	1.4	-	8.0	-	15.4	-	4.1	-	9.5	-	9.5	-	0.8	-	114.5	-	201.7	-	3.9	-
Hearts_345 ‡	345	790.5	-	147.3	-	1.4	-	7.7	-	14.7	-	4.0	-	8.9	-	8.9	-	1.0	-	126.9	-	202.0	-	4.1	-
Hearts_360 ‡	360	830.4	-	159.1	-	1.8	-	8.1	-	16.7	-	4.5	-	12.7	-	12.7	-	1.6	-	139.5	-	245.6	-	5.4	-
Tails_Cut	370	855.0	466.0	118.8	89.4	1.3	1.3	5.9	3.8	14.7	8.5	1.6	1.3	13.1	9.0	13.1	9.0	1.7	1.3	152.6	54.6	224.2	106.7	3.7	2.4
Tails_15	385	533.7	463.4	14.2	5.9	0.0	0.0	1.4	0.4	5.7	3.7	2.8	1.9	7.2	5.6	7.2	5.6	2.3	0.9	116.4	59.3	129.9	103.3	0.8	0.3
Tails_30	400	275.7	196.2	8.4	0.9	0.0	0.0	1.2	0.4	3.5	1.4	1.6	0.9	3.8	1.9	3.8	1.9	1.9	0.8	88.7	33.6	60.4	28.8	0.5	0.1

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c.

Sample Name	Distillation Time (Min)	(E)-sabinene hydrate [Woody]		Linalyl butyrate [Floral]		nonanal [Aldehydic]		1,5,8-para-menthatriene [Roasted]		Perillene [Woody] §		a-Terpineol [Terpenic]		.alpha.-Cubebene [Herbal] §		delta-Elemene [Herbal]		octyl acetate [Floral]		a-Copaene [Woody] §		(+)-alpha-campholenic aldehyde [Herbal]		decanal [Aldehydic]	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	2.7	1.2	0.8	0.5	0.4	0.2	0.6	1.1	1.7	2.9	0.5	0.2	12.3	14.8	4.4	3.3	0.0	0.0	31.6	36.5	0.1	0.2	0.0	0.0
Heads_Cut	5	2.5	1.0	1.2	0.4	0.5	0.1	0.8	0.7	1.4	2.5	0.3	0.2	26.3	8.0	8.4	3.6	0.0	0.0	76.7	27.8	0.0	0.0	0.0	0.0
Hearts_15	15	1.8	1.0	1.3	0.5	0.4	0.0	0.7	0.3	2.5	1.1	0.2	0.1	16.4	10.4	4.7	2.7	0.0	0.0	46.8	27.4	0.0	0.0	0.0	0.0
Hearts_30	30	1.7	1.0	2.6	1.6	0.4	0.1	0.8	0.4	3.4	2.0	0.3	0.2	22.6	19.6	6.1	5.1	0.0	0.0	60.0	48.5	0.0	0.0	0.0	0.0
Hearts_45	45	2.4	1.6	4.2	3.6	0.4	0.1	0.9	0.4	4.3	3.0	0.4	0.4	30.2	35.1	8.3	9.2	0.0	0.0	74.7	84.0	0.0	0.0	0.0	0.0
Hearts_60	60	2.2	1.1	5.6	2.1	0.3	0.1	1.0	0.5	4.8	1.9	0.5	0.2	27.4	19.5	7.5	5.3	0.0	0.0	64.0	43.7	0.0	0.0	0.0	0.0
Hearts_75	75	2.1	1.3	4.9	0.2	0.4	0.1	0.7	0.2	3.8	0.7	0.3	0.3	15.9	6.0	4.1	1.8	0.0	0.0	35.7	12.4	0.0	0.0	0.0	0.0
Hearts_90	90	2.4	1.0	9.0	2.9	0.4	0.2	0.9	0.5	5.1	2.3	0.9	0.2	29.6	22.6	8.0	6.1	0.0	0.0	62.9	46.7	0.0	0.1	0.0	0.0
Hearts_105	105	2.5	1.4	10.8	5.6	0.3	0.1	0.7	0.7	4.9	3.7	1.1	0.3	24.6	27.7	6.8	8.4	0.0	0.0	54.2	60.6	0.1	0.1	0.0	0.0
Hearts_120	120	3.9	1.3	17.8	4.5	0.4	0.0	1.0	0.5	7.4	3.0	1.2	1.1	43.4	26.1	11.9	7.9	0.1	0.0	88.3	55.6	0.2	0.0	0.0	0.0
Hearts_135	135	4.4	1.4	19.1	4.7	0.4	0.0	0.9	0.3	6.8	2.2	2.3	0.3	45.7	24.1	12.0	7.0	0.0	0.0	89.5	46.9	0.2	0.0	0.0	0.0
Hearts_150	150	5.0	1.6	25.0	12.5	0.3	0.2	0.8	0.4	7.0	3.7	3.2	1.4	46.7	36.9	13.5	12.4	0.1	0.1	92.1	76.2	0.2	0.0	0.0	0.0
Hearts_165	165	3.7	3.3	19.9	20.4	0.2	0.1	0.5	0.5	4.4	4.9	3.2	2.5	33.4	42.8	9.8	13.2	0.1	0.1	64.9	79.7	0.2	0.0	0.0	0.0
Hearts_180	180	7.9	1.6	32.7	6.8	0.6	0.3	0.5	0.2	4.5	1.3	5.5	1.0	31.8	16.7	9.0	5.1	0.0	0.1	60.8	31.3	0.3	0.1	0.0	0.0
Hearts_195	195	7.2	2.7	34.8	6.8	0.4	0.3	0.5	0.2	4.4	1.0	6.3	1.4	34.8	13.7	10.3	5.3	0.1	0.1	64.1	25.6	0.4	0.1	0.0	0.0
Hearts_210	210	7.8	4.9	33.9	18.5	0.2	0.2	0.7	0.3	4.6	2.0	7.1	3.5	43.5	25.9	12.8	8.7	0.0	0.0	78.1	45.9	0.3	0.2	0.0	0.0
Hearts_225	225	10.4	5.2	45.2	21.0	0.4	0.5	0.8	0.6	5.3	3.3	11.1	4.4	48.2	36.6	15.6	12.5	0.3	0.2	84.9	62.6	0.4	0.5	0.2	0.2
Hearts_240	240	9.8	4.1	43.9	13.3	0.2	0.3	0.8	0.4	4.7	2.1	11.9	3.4	46.6	23.2	15.3	8.3	0.0	0.0	82.3	36.9	0.6	0.4	0.2	0.2
Hearts_255	255	14.6	5.7	56.5	16.1	0.6	0.4	1.0	0.4	5.9	2.3	18.2	5.6	60.1	26.0	20.7	8.9	0.4	0.3	99.3	35.8	0.6	0.7	0.4	0.4
Hearts_270	270	12.7	6.6	45.5	17.1	0.3	0.4	1.0	0.5	5.0	2.1	17.4	8.6	37.7	20.7	14.7	7.9	0.4	0.4	59.3	30.0	1.3	1.1	0.4	0.4
Hearts_285	285	11.3	5.0	33.4	16.6	0.5	0.4	0.8	0.4	4.0	1.7	15.5	6.8	42.9	17.6	15.9	6.7	0.4	0.3	69.9	24.2	0.6	0.7	0.4	0.3
Hearts_300	300	17.3	5.5	47.8	13.5	0.9	0.2	1.3	0.6	6.0	2.2	26.8	8.5	44.1	17.4	18.6	7.3	0.8	0.3	65.4	25.7	2.0	1.7	0.8	0.3
Hearts_315	315	15.2	2.2	40.6	16.0	0.9	0.1	1.0	0.4	5.5	2.0	26.7	4.9	50.7	30.3	19.6	9.2	0.7	0.2	73.0	40.7	2.7	0.3	0.8	0.1
Hearts_330 ‡	330	16.2	-	46.6	-	1.0	-	1.3	-	6.9	-	30.1	-	56.9	-	22.3	-	0.9	-	75.3	-	2.4	-	0.9	-
Hearts_345 ‡	345	22.1	-	49.9	-	1.2	-	1.6	-	8.1	-	38.2	-	59.2	-	23.2	-	1.0	-	74.3	-	2.9	-	1.2	-
Hearts_360 ‡	360	23.2	-	59.9	-	1.7	-	2.8	-	12.7	-	52.9	-	40.8	-	19.7	-	2.0	-	46.0	-	4.9	-	2.4	-
Tails_Cut	370	19.1	14.6	41.5	29.7	0.9	0.7	2.5	1.0	10.5	2.7	35.7	22.6	40.8	17.7	19.5	10.2	1.3	0.6	47.6	28.6	7.4	2.7	1.8	0.4
Tails_15	385	2.8	1.3	5.3	3.7	0.2	0.2	1.9	1.2	7.2	3.2	6.9	4.4	17.9	7.5	7.1	3.5	0.4	0.5	12.8	5.6	7.8	7.0	1.1	1.3
Tails_30	400	2.2	0.5	2.3	0.6	0.4	0.0	1.3	0.6	5.5	1.8	3.3	0.7	7.7	3.4	3.6	1.8	0.2	0.0	4.3	1.6	2.4	0.4	0.6	0.5

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d.

Sample Name	Distillation Time (Min)	d-Camphor [Camphoreous]		B-cubebene [Citrus]		Linalool [Floral]		Methyl citronellate [Floral]		Isocaryophyllene [Woody]		(E)-alpha-bergamotene [Woody]		(-)-beta-elemene [Sweet]		undecan-2-one [Fruity]		Beta-caryophyllene [Spicy]		(-)-gamma-elemene [Green]		Citronellyl acetate [Floral] [§]		(E)-.beta.-Famesene [Woody]	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	0.5	0.5	1.6	1.7	23.0	8.7	0.0	0.0	0.2	0.3	1.0	0.3	4.5	4.9	0.3	0.2	30.3	33.4	5.8	6.8	0.2	0.3	1.9	3.3
Heads_Cut	5	0.0	0.0	3.0	1.5	14.4	6.7	0.0	0.0	0.4	0.3	0.9	0.4	8.1	6.1	0.2	0.2	65.4	36.7	9.2	10.1	0.4	0.3	3.9	4.9
Hearts_15	15	0.0	0.0	1.5	0.8	8.3	5.0	0.0	0.0	0.2	0.2	0.4	0.2	3.3	1.9	0.3	0.2	38.1	24.1	1.8	2.5	0.1	0.1	0.9	1.5
Hearts_30	30	0.0	0.0	1.8	1.6	7.4	4.8	0.0	0.0	0.3	0.3	0.4	0.4	3.3	2.7	0.0	0.0	50.8	44.4	1.0	0.9	0.0	0.1	0.0	0.0
Hearts_45	45	0.0	0.0	2.6	3.2	7.9	5.6	0.0	0.0	0.4	0.6	0.5	0.9	5.2	6.1	0.1	0.2	77.9	92.6	1.1	1.9	0.1	0.2	1.8	3.1
Hearts_60	60	0.0	0.0	2.3	1.7	7.5	5.2	0.0	0.0	0.4	0.3	0.6	0.3	5.3	3.8	0.3	0.5	73.5	55.5	1.3	1.2	0.1	0.1	2.2	1.9
Hearts_75	75	0.0	0.0	1.3	0.5	8.4	8.6	0.0	0.0	0.2	0.1	0.3	0.1	3.0	1.2	0.3	0.3	42.5	21.1	0.8	0.4	0.0	0.0	0.0	0.0
Hearts_90	90	0.0	0.0	2.7	2.1	4.8	3.8	0.0	0.0	0.4	0.3	0.5	0.3	6.6	4.9	0.0	0.1	87.5	67.5	1.8	1.4	0.1	0.1	2.3	2.0
Hearts_105	105	0.0	0.0	2.3	2.6	3.2	4.4	0.0	0.0	0.3	0.4	0.5	0.4	5.7	6.4	0.1	0.1	72.6	87.3	1.6	1.6	0.1	0.1	1.7	2.3
Hearts_120	120	0.0	0.0	4.1	2.6	3.9	2.8	0.0	0.0	0.5	0.5	0.8	0.4	11.8	7.1	0.0	0.0	145.1	96.1	3.1	2.0	0.3	0.2	3.8	2.4
Hearts_135	135	0.0	0.0	4.4	2.5	3.1	1.9	0.0	0.0	0.5	0.4	0.9	0.4	13.2	7.6	0.0	0.0	158.9	95.9	3.4	1.9	0.2	0.2	3.3	2.4
Hearts_150	150	0.0	0.0	5.1	4.4	4.2	4.0	0.0	0.0	0.4	0.4	1.1	0.7	15.9	14.1	0.0	0.1	193.8	174.5	4.3	3.7	0.1	0.0	4.0	4.1
Hearts_165	165	0.0	0.0	3.8	5.0	1.4	1.5	0.0	0.0	0.4	0.5	0.9	1.0	13.0	17.4	0.2	0.3	145.3	200.4	3.7	5.0	0.1	0.0	3.6	4.8
Hearts_180	180	0.1	0.0	3.9	2.2	1.5	0.2	0.0	0.0	0.4	0.4	1.3	0.4	14.9	8.3	0.1	0.0	153.1	90.4	5.0	3.0	0.2	0.3	4.6	3.4
Hearts_195	195	0.1	0.0	4.4	2.0	2.1	0.3	0.0	0.0	0.5	0.5	1.4	0.3	17.0	8.4	0.1	0.0	178.3	97.5	5.3	2.5	0.2	0.1	4.0	1.8
Hearts_210	210	0.1	0.0	5.9	4.2	2.4	0.9	0.0	0.0	0.5	0.4	1.9	1.0	25.0	19.1	0.2	0.1	248.9	191.8	7.7	5.9	0.4	0.6	7.5	6.7
Hearts_225	225	0.1	0.1	7.6	6.1	4.3	1.3	0.1	0.1	1.1	1.0	3.1	1.3	33.3	27.2	0.4	0.1	329.2	276.3	10.7	8.9	0.4	0.5	12.2	10.2
Hearts_240	240	0.1	0.1	7.5	4.2	5.1	1.4	0.1	0.1	0.9	0.8	3.3	1.0	34.6	21.3	0.4	0.2	325.2	207.6	11.2	6.8	0.6	0.9	12.2	7.5
Hearts_255	255	0.3	0.1	11.2	4.7	8.9	3.2	0.1	0.2	1.3	0.9	5.2	1.5	55.2	25.2	0.6	0.2	502.4	252.5	19.0	8.6	1.0	0.9	20.7	7.0
Hearts_270	270	0.3	0.3	8.7	4.7	8.9	5.1	0.4	0.4	1.0	0.8	4.9	2.4	47.2	28.0	0.6	0.3	397.8	239.7	16.5	10.0	1.4	0.7	17.9	8.1
Hearts_285	285	0.4	0.2	10.5	4.8	10.7	3.5	0.2	0.3	1.3	0.9	5.0	2.0	55.2	29.3	0.6	0.3	468.6	239.1	21.1	11.9	1.3	1.1	21.2	9.7
Hearts_300	300	0.7	0.3	13.9	5.4	18.7	6.1	0.8	0.3	1.3	1.1	8.4	2.7	80.9	35.0	1.1	0.4	618.9	279.7	33.3	13.3	1.6	1.0	33.2	9.7
Hearts_315	315	0.9	0.1	15.1	5.8	21.0	2.9	0.8	0.2	1.5	1.4	9.0	1.3	79.8	26.9	1.1	0.3	642.7	291.4	35.2	7.2	2.4	0.7	31.7	9.4
Hearts_330 [‡]	330	1.0	-	18.5	-	22.2	-	0.9	-	2.3	-	10.0	-	97.7	-	1.4	-	797.0	-	45.3	-	0.4	-	38.7	-
Hearts_345 [‡]	345	1.3	-	21.4	-	28.6	-	1.3	-	2.5	-	12.8	-	108.7	-	1.7	-	895.3	-	55.8	-	3.4	-	44.0	-
Hearts_360 [‡]	360	1.9	-	19.0	-	42.9	-	2.6	-	2.1	-	18.5	-	120.8	-	3.3	-	782.5	-	61.5	-	4.2	-	48.7	-
Tails_Cut	370	9.8	13.9	18.0	8.4	211.3	293.2	2.8	1.4	1.2	1.4	27.6	17.5	108.1	58.1	5.1	4.8	670.1	476.5	64.1	9.4	4.3	0.6	42.2	17.2
Tails_15	385	17.4	7.5	8.4	3.7	360.6	250.5	2.9	2.6	0.3	0.3	32.3	31.3	41.2	19.0	6.7	6.9	117.8	56.0	68.0	30.9	3.1	3.0	19.0	10.5
Tails_30	400	8.7	2.1	4.4	1.9	130.3	36.2	1.2	0.3	0.2	0.1	10.2	2.4	23.1	10.7	2.3	0.9	50.7	25.4	44.6	21.5	1.4	0.4	8.9	3.2

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e.

Sample Name	Distillation Time (Min)	a-Humulene [Woody]		Neral [Citrus]		gamma-muurolene [Woody]		a-Terpinyl acetate [Herbal]		L-Borneol [Balsamic] §		(E)-Germacrene D [Woody]		a-Santalene [Woody] §		a-Muurolene [Woody]		a-Gurjunene [Woody]		bicyclogermacrene [Green]		Geranyl acetate [Floral]		1-(4-hydroxyphenyl)ethanone [Floral] §	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	15.3	20.6	0.0	0.0	3.6	5.0	48.2	2.0	0.6	0.5	20.9	23.3	1.0	1.3	8.9	8.3	1.0	0.6	1.1	1.9	1.0	1.8	0.0	0.0
Heads_Cut	5	30.4	24.0	0.0	0.0	9.0	6.7	22.5	22.4	0.0	0.0	37.0	28.6	0.9	0.4	16.7	12.2	1.8	1.0	1.6	2.8	0.0	0.0	0.9	1.6
Hearts_15	15	12.7	7.8	0.0	0.0	3.2	1.9	4.7	3.1	0.0	0.0	12.8	7.5	0.8	0.5	5.7	3.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_30	30	12.7	11.9	0.0	0.0	2.3	1.8	2.7	1.3	0.0	0.0	11.5	10.8	0.5	0.5	3.7	2.8	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_45	45	19.9	25.3	0.0	0.0	3.1	5.2	3.0	2.5	0.0	0.0	20.4	26.8	0.3	0.3	5.5	6.5	0.8	0.7	0.6	1.1	0.0	0.0	0.0	0.0
Hearts_60	60	19.4	14.1	0.0	0.0	3.6	2.6	3.1	1.1	0.0	0.0	19.8	15.3	0.9	0.6	5.6	3.8	0.6	0.2	0.5	0.8	0.0	0.0	0.0	0.0
Hearts_75	75	11.7	5.2	0.0	0.0	2.0	0.8	2.5	0.3	0.0	0.0	10.1	4.6	0.3	0.2	2.9	1.1	0.3	0.1	0.2	0.4	0.0	0.0	0.0	0.0
Hearts_90	90	24.7	18.5	0.0	0.0	4.4	3.9	4.0	1.4	0.0	0.0	26.3	21.0	0.9	0.7	4.0	5.4	1.3	1.4	1.1	0.9	0.0	0.0	0.0	0.0
Hearts_105	105	21.1	23.0	0.0	0.0	4.0	4.4	4.4	1.7	0.0	0.0	21.3	24.0	0.7	1.0	5.7	6.1	0.5	0.5	1.0	1.0	0.0	0.0	0.0	0.1
Hearts_120	120	43.6	26.8	0.0	0.0	8.2	5.1	6.5	2.2	0.0	0.0	46.8	30.0	0.4	0.1	11.4	7.2	1.0	0.6	2.0	1.2	0.0	0.0	0.5	0.5
Hearts_135	135	47.2	27.0	0.0	0.0	8.8	4.9	7.6	0.9	0.0	0.0	48.1	29.8	0.2	0.1	11.6	6.7	1.0	0.6	2.0	1.2	0.0	0.0	0.6	0.4
Hearts_150	150	59.4	51.0	0.0	0.0	11.3	9.9	9.7	4.4	0.0	0.0	59.7	55.7	0.3	0.3	14.8	13.3	1.3	1.2	2.6	2.3	0.0	0.0	0.8	0.7
Hearts_165	165	46.2	63.4	0.0	0.0	8.9	12.0	10.1	7.5	0.0	0.0	49.9	69.1	0.2	0.3	11.8	15.8	1.1	1.4	2.2	3.0	0.0	0.1	0.7	0.9
Hearts_180	180	57.8	32.4	0.0	0.0	10.8	6.3	17.3	3.6	0.0	0.0	61.1	37.5	0.5	0.2	14.5	8.7	1.3	0.8	2.9	1.7	0.2	0.2	0.8	0.5
Hearts_195	195	65.6	33.5	0.0	0.0	11.8	4.9	20.7	3.8	0.0	0.0	65.1	34.2	0.3	0.1	15.1	6.3	1.4	0.6	3.1	1.6	0.1	0.2	0.9	0.4
Hearts_210	210	92.7	71.3	0.0	0.0	17.6	13.0	27.5	13.4	0.0	0.0	102.3	83.8	2.2	3.4	23.4	17.6	2.1	1.7	4.6	3.8	0.1	0.2	1.4	1.1
Hearts_225	225	127.7	104.0	0.3	0.6	24.1	19.9	48.6	18.3	0.0	0.0	139.9	117.4	0.8	0.4	32.7	26.9	3.0	2.5	6.4	5.3	0.7	0.7	1.9	1.5
Hearts_240	240	128.6	81.5	0.4	0.5	25.3	14.2	54.1	18.7	0.0	0.1	144.6	92.0	1.3	0.7	33.5	19.2	3.1	1.9	6.5	4.3	1.1	0.5	2.1	1.2
Hearts_255	255	211.6	108.3	1.0	0.3	41.2	16.8	94.8	30.3	0.0	0.0	240.4	109.2	3.6	4.2	56.4	22.3	5.1	2.2	11.2	5.7	1.9	0.6	3.5	1.3
Hearts_270	270	186.8	122.2	0.8	0.4	33.8	18.6	91.4	51.1	0.0	0.0	205.2	123.4	1.0	0.6	46.1	24.6	4.4	2.7	10.0	7.0	1.9	1.1	3.0	1.7
Hearts_285	285	213.9	126.6	1.1	0.5	44.0	20.1	93.2	43.3	0.0	0.0	258.2	144.7	2.6	1.8	60.9	27.0	5.6	2.8	11.8	7.9	1.9	0.9	4.0	1.9
Hearts_300	300	326.9	161.1	1.5	0.5	63.8	24.7	177.8	64.0	0.0	0.0	398.7	174.8	1.9	0.8	89.7	33.0	8.5	3.3	19.8	10.3	3.7	1.5	6.2	2.3
Hearts_315	315	326.0	116.5	1.6	0.4	69.6	15.9	182.8	34.4	0.1	0.1	396.5	85.5	2.0	0.4	96.0	16.2	8.9	1.5	19.1	4.7	3.6	0.9	6.6	1.1
Hearts_330 ‡	330	424.9	-	1.8	-	82.0	-	206.1	-	0.1	-	502.1	-	2.3	-	109.4	-	10.0	-	24.6	-	4.5	-	7.9	-
Hearts_345 ‡	345	507.1	-	2.2	-	97.9	-	279.9	-	0.0	-	593.5	-	2.8	-	130.9	-	11.9	-	30.0	-	5.9	-	9.0	-
Hearts_360 ‡	360	545.7	-	1.9	-	88.4	-	473.0	-	0.0	-	663.4	-	2.8	-	124.5	-	11.9	-	35.6	-	10.2	-	1.2	-
Tails_Cut	370	437.1	249.3	2.8	0.6	85.0	39.2	1363.7	1682.0	3.8	6.5	563.7	295.1	5.3	3.3	102.5	84.4	16.4	2.9	30.9	13.8	61.5	94.0	10.2	0.9
Tails_15	385	151.7	71.3	2.4	0.9	39.7	15.4	2186.9	1915.0	9.1	2.2	220.7	96.7	5.2	7.2	37.3	25.4	12.5	13.5	15.2	6.7	105.0	93.9	6.9	5.5
Tails_30	400	85.6	42.8	1.3	0.5	20.4	8.1	769.5	225.2	6.1	2.1	113.1	50.2	0.7	0.3	36.0	15.4	3.5	1.7	9.7	4.8	36.3	12.7	3.1	1.0

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f.

Sample Name	Distillation Time (Min)	(R)-gamma-cadinene [Woody]		alpha-curcumene [Herbal]		alpha-cadinene [Woody]		germacrene B [Woody]		Calamenene [Herbal]		alpha.-Calacorene [Woody]		b-Caryophyllene oxide [Woody] §		(E)-nerolidol [Floral] §		(Z)-cinnamaldehyde [Spicy] §		Methyl (E)-cinnamate [Balsamic] §		Spathulenol [Earthy] §		T-cadinol [Balsamic] §		T-muurolol [Herbal] §		alpha-cadinol [Herbal]	
		M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
Heads_0	0	6.6	6.1	0.3	0.3	1.4	1.6	8.5	8.2	2.8	2.2	0.2	0.3	0.0	0.0	1.6	2.8	1.7	2.3	0.1	0.1	0.3	0.3	0.7	0.6	0.3	0.6	0.3	0.5
Heads_Cut	5	12.2	10.1	0.5	0.4	2.7	2.3	11.8	13.2	5.0	3.4	2.4	3.5	0.0	0.0	2.5	4.3	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.8	0.3	0.6	0.2	0.4
Hearts_15	15	3.8	2.6	0.2	0.1	0.6	0.7	2.1	2.9	1.0	1.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_30	30	2.3	1.7	0.1	0.1	0.2	0.4	1.0	0.9	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_45	45	3.5	4.1	0.1	0.2	0.5	0.9	1.0	1.7	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_60	60	3.5	2.3	0.1	0.1	0.6	0.5	1.2	1.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_75	75	1.9	0.7	0.1	0.0	0.3	0.3	0.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_90	90	4.1	3.6	0.1	0.1	0.9	0.7	1.7	1.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_105	105	3.8	4.1	0.1	0.2	0.8	0.8	1.5	1.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_120	120	7.6	4.8	0.1	0.1	1.6	1.0	3.1	2.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_135	135	7.8	4.5	0.1	0.1	1.6	0.9	3.2	1.9	1.2	1.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_150	150	10.2	9.2	0.2	0.2	2.1	2.0	4.2	3.8	1.2	2.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_165	165	8.2	10.8	0.2	0.2	1.7	2.3	3.6	5.0	1.5	2.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_180	180	10.0	6.1	0.1	0.1	2.0	1.3	5.1	3.1	1.0	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_195	195	10.5	4.3	0.1	0.2	2.2	1.0	5.4	2.6	2.1	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_210	210	16.3	12.5	0.1	0.2	3.4	2.6	8.2	6.5	2.0	2.7	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_225	225	23.1	19.5	0.4	0.6	4.9	4.2	11.7	9.6	4.5	2.9	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_240	240	23.6	13.7	0.1	0.1	5.0	3.0	11.9	7.8	3.5	3.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hearts_255	255	39.9	16.0	0.6	0.7	8.5	3.6	20.4	9.8	7.1	2.8	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hearts_270	270	32.8	18.4	0.7	0.9	7.1	4.2	17.4	10.9	5.2	5.2	0.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Hearts_285	285	43.8	20.9	0.7	0.9	9.2	4.8	22.6	14.3	7.7	4.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hearts_300	300	65.2	24.4	1.8	0.9	14.2	5.5	39.1	19.4	12.1	4.6	1.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Hearts_315	315	70.4	9.8	1.7	0.7	15.0	2.2	40.0	9.8	13.9	3.9	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
Hearts_330 ‡	330	79.8	-	2.3	-	17.3	-	50.9	-	16.7	-	3.1	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.2	-
Hearts_345 ‡	345	99.0	-	2.8	-	20.7	-	66.8	-	21.9	-	3.8	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.3	-
Hearts_360 ‡	360	90.3	-	3.7	-	20.6	-	72.6	-	20.8	-	4.5	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.2	-
Tails_Cut	370	93.3	39.1	3.1	1.1	21.0	7.0	87.5	24.4	22.2	3.4	7.7	5.0	3.8	6.7	8.6	14.8	9.9	17.1	1.9	3.3	0.4	0.7	1.0	1.8	0.7	1.2	0.8	0.9
Tails_15	385	54.0	17.2	2.2	1.2	14.0	4.5	101.1	48.4	21.2	7.7	13.7	5.8	8.1	1.6	18.6	7.6	28.9	9.7	5.5	0.7	1.1	0.0	2.9	0.3	2.0	0.1	1.8	0.3
Tails_30	400	30.8	12.4	1.4	0.8	8.4	3.4	61.4	30.3	14.5	6.7	10.9	5.9	6.8	2.1	9.7	5.4	28.0	22.0	4.9	2.3	1.1	0.5	2.2	1.0	1.5	0.7	1.3	0.7

§ Indicates compounds outside of modellable range with insufficient R^2 value.

‡ One distillation replicate ran slower than the other two replicates, resulting in extended hearts collection length for this replicate. The values in these table rows are for one replicate, and therefore have no mean values or standard deviation.