

CellMissy - ANALYSIS REPORT - EXPERIMENT E000 - PROJECT P000

DATASET: demo_algo

IMAGING TYPE: BF

NUMBER OF BIOLOGICAL CONDITIONS: 6

Condition 1: BT-549, 2D, ORIS, [Control + Drug Solvent]

Condition 2: BT-549, 2D, ORIS, [2.5 μ M LY294002]

Condition 3: BT-549, 2D, ORIS, [5.0 μ M LY294002]

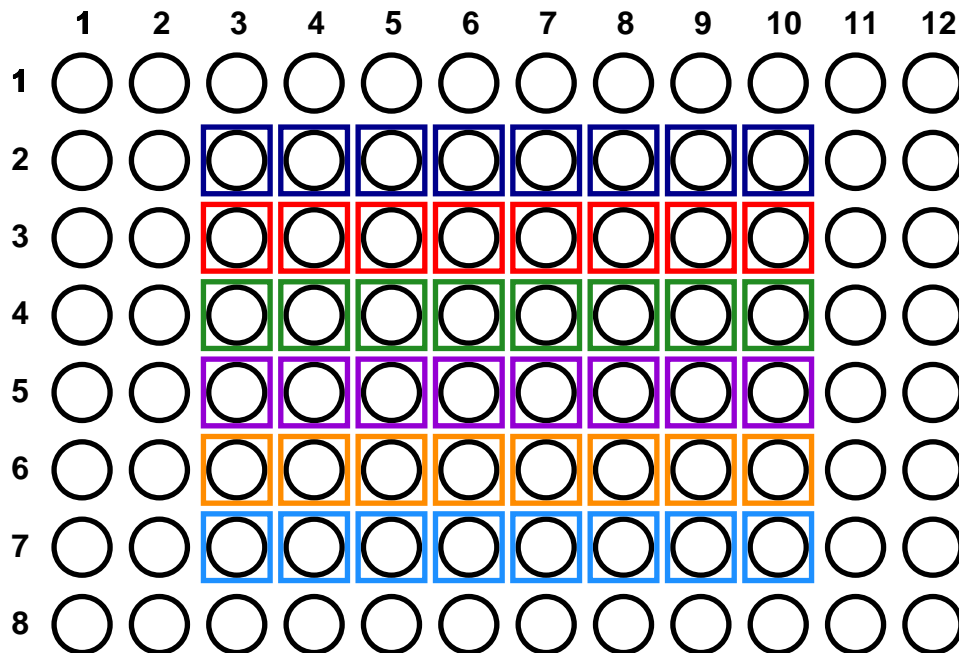
Condition 4: BT-549, 2D, ORIS, [7.5 μ M LY294002]

Condition 5: BT-549, 2D, ORIS, [10.0 μ M LY294002]

Condition 6: BT-549, 2D, ORIS, [15.0 μ M LY294002]

MEASUREAD AREA TYPE: Cell-covered area (wound closure)

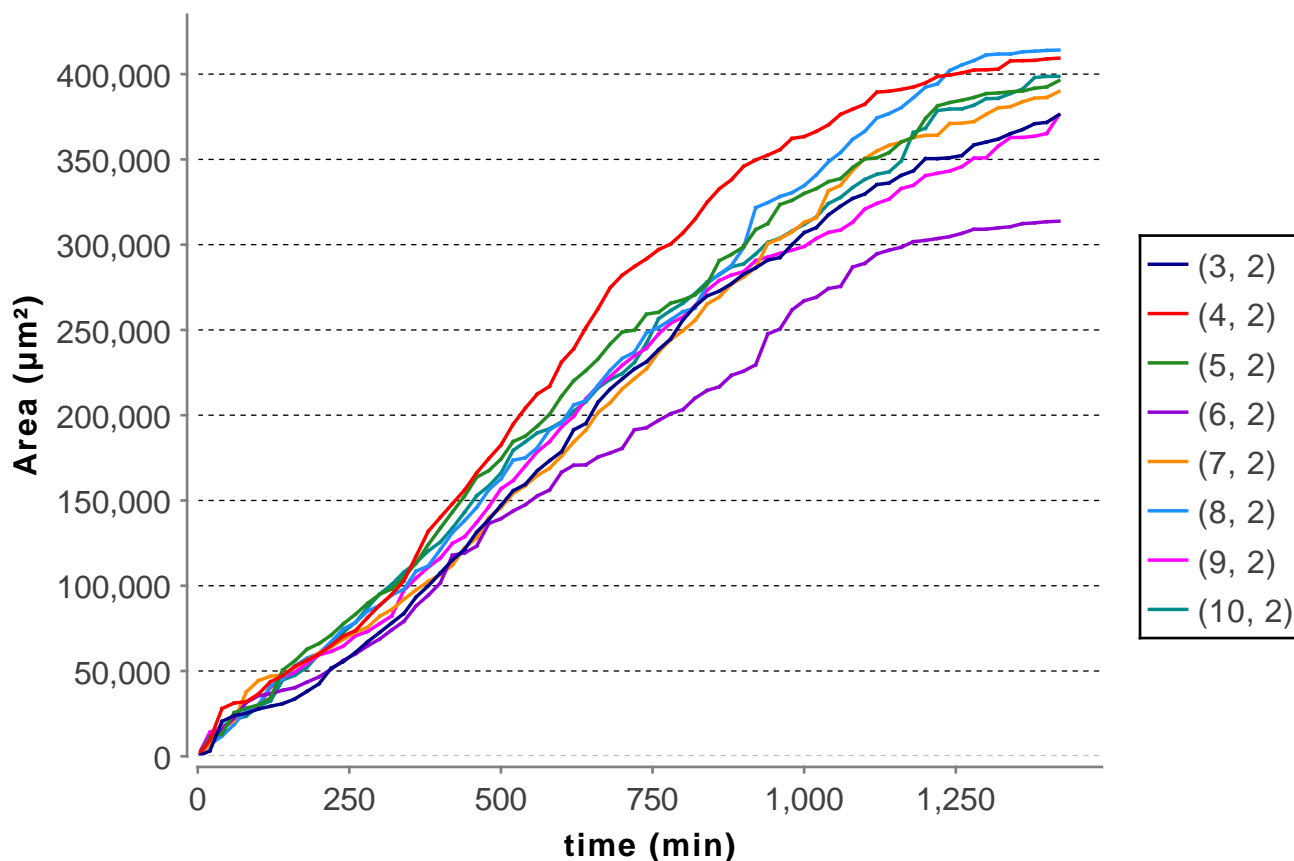
DATA CORRECTED FOR OUTLIERS? Y



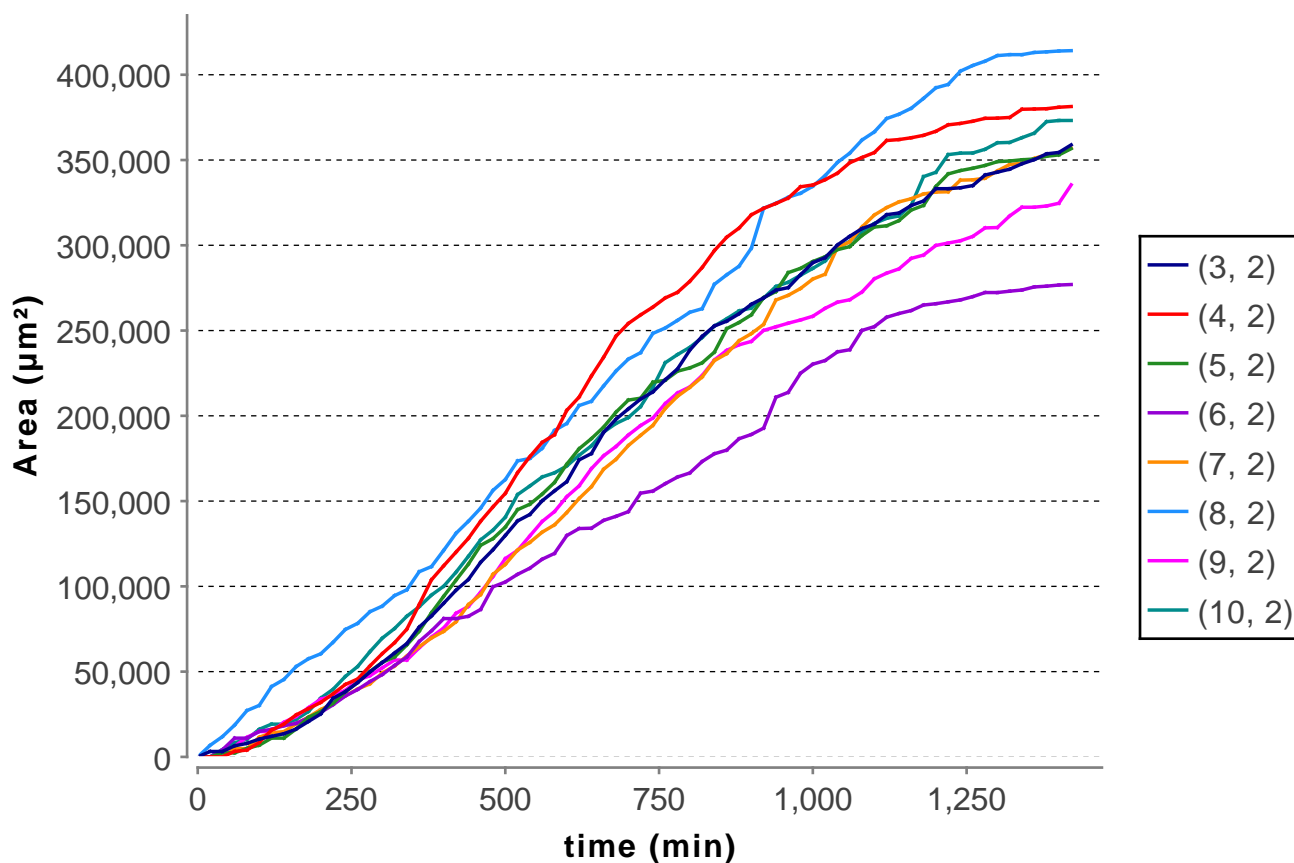
CONDITIONS SUMMARY

CONDITIONS	# TECHNICAL REPLICATES	TECHNICAL REPLICATES EXCLUDED?	USER SELECTED TIME INTERVAL	MAX. TIME POINT	ANALYZED TIME INTERVAL
	8	N	(0, 71)	71	(0, 40)
	8	N	(0, 71)	71	(0, 40)
	8	N	(0, 71)	71	(0, 40)
	8	N	(0, 71)	71	(0, 40)
	7	Y [(3, 6)]	(0, 40)	71	(0, 40)
	7	Y [(3, 7)]	(0, 47)	71	(0, 40)

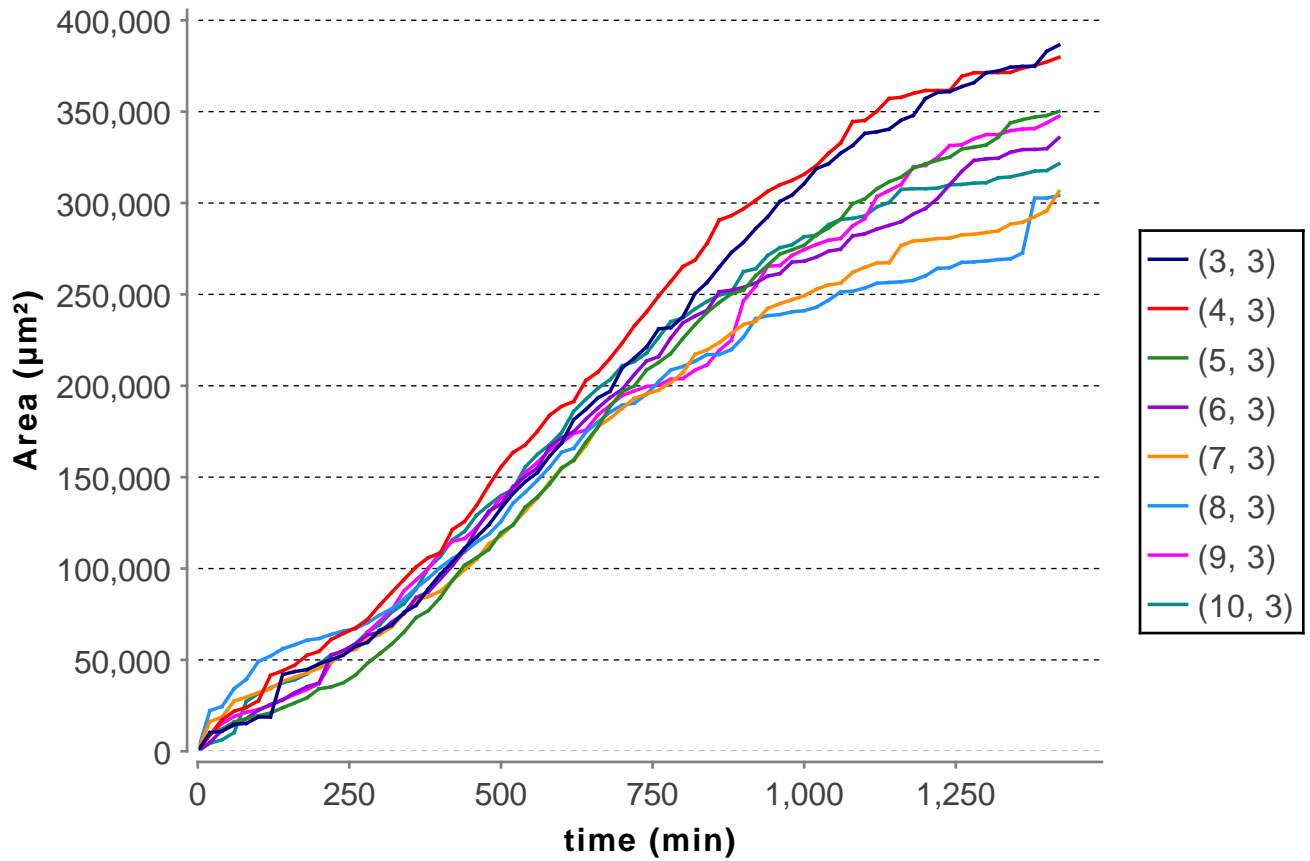
Cell-covered area (wound closure) - Condition 1 (raw data)



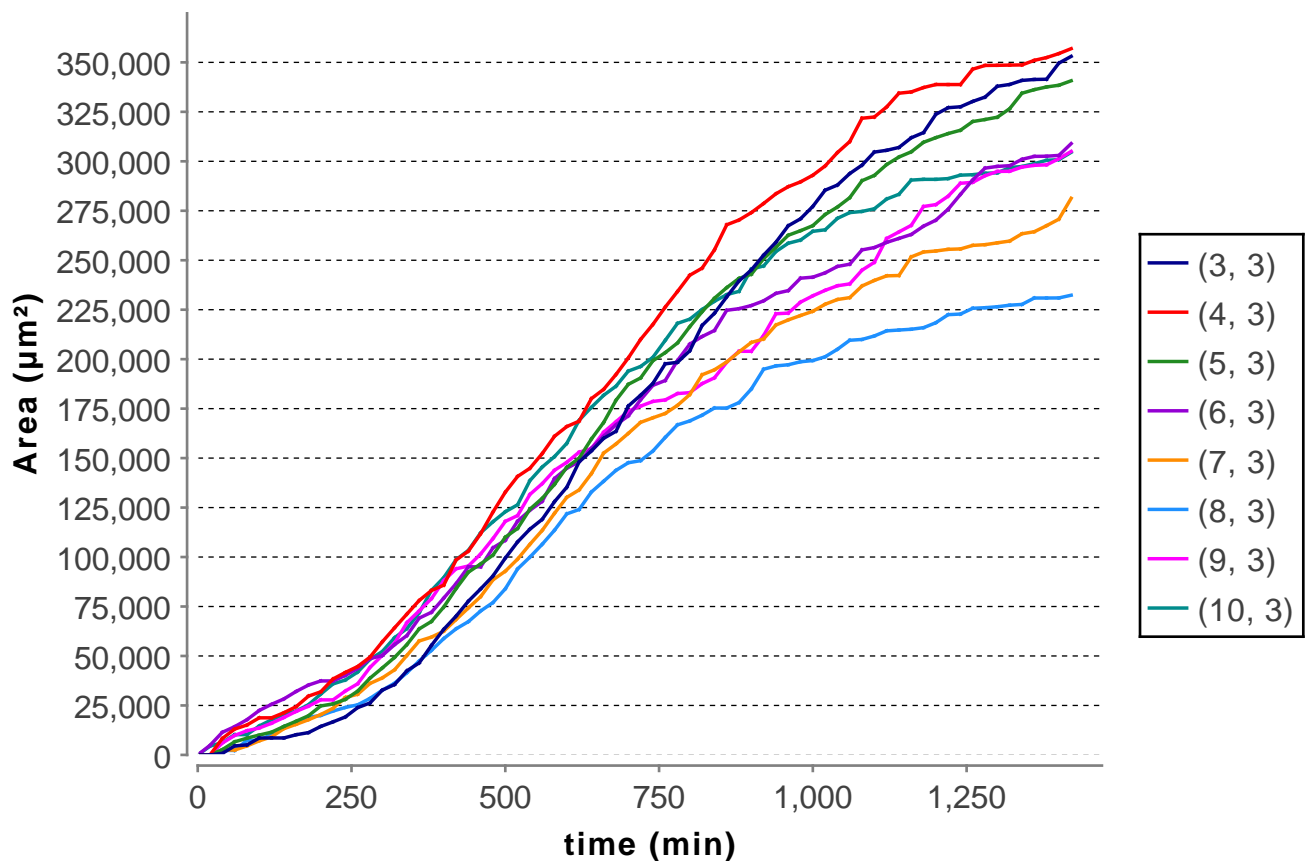
Cell-covered area (wound closure) - Condition 1 (corrected data)



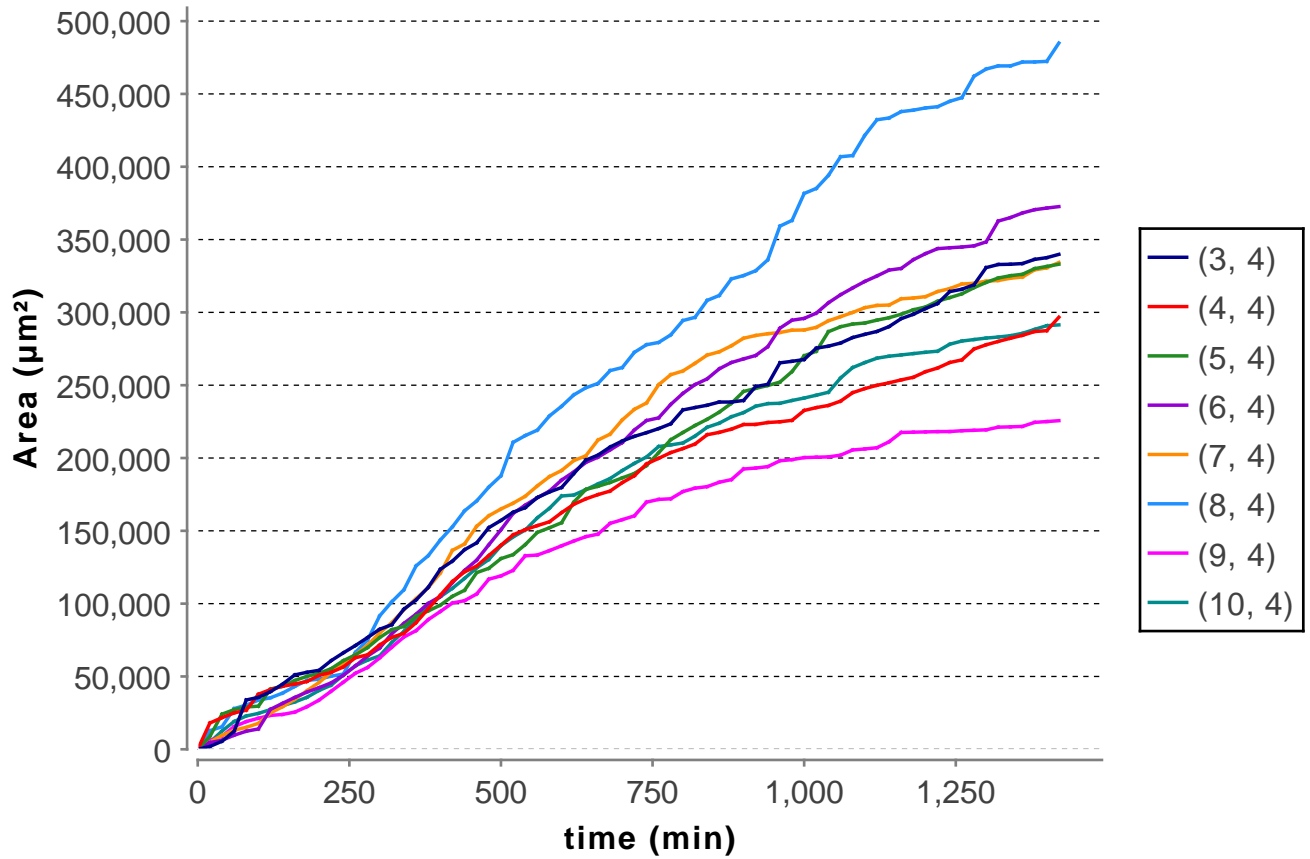
Cell-covered area (wound closure) - Condition 2 (raw data)



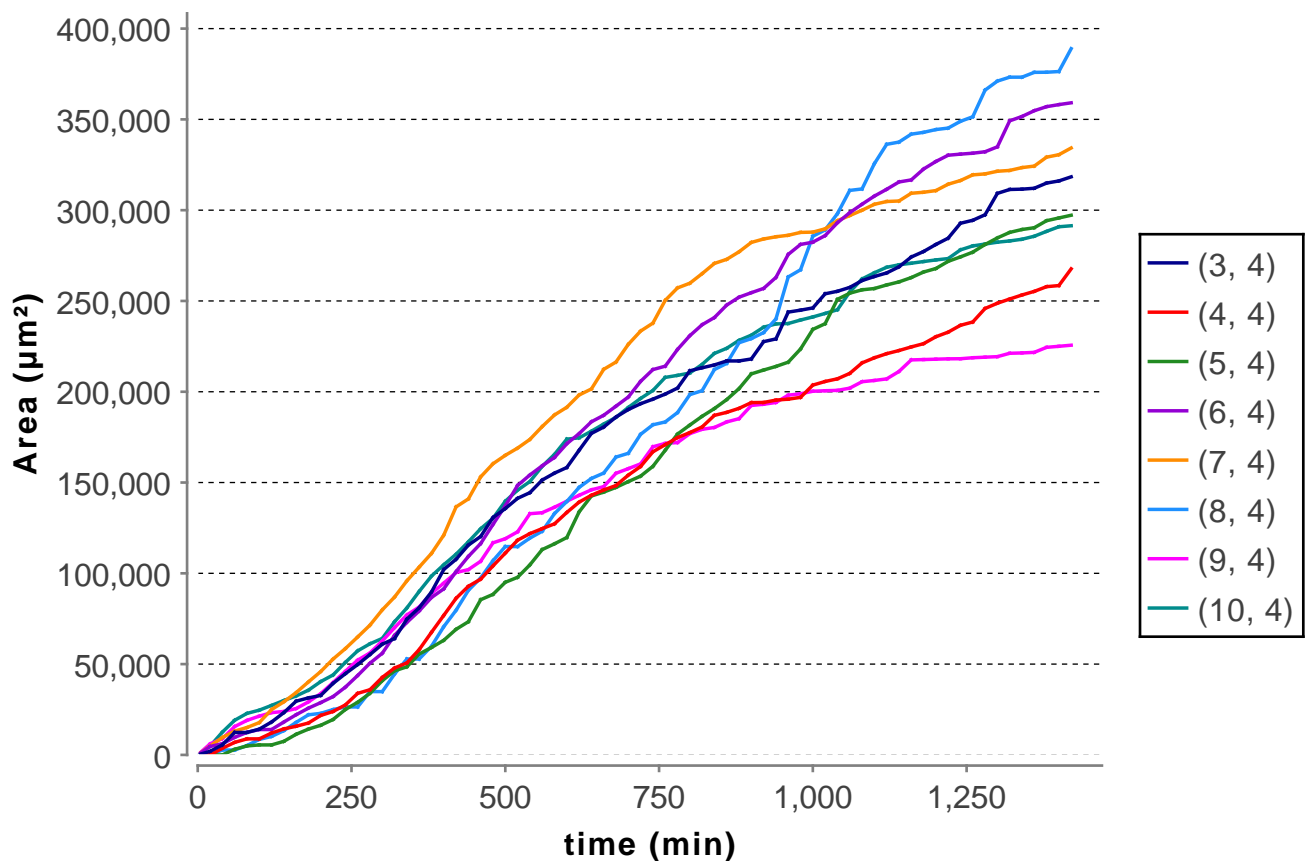
Cell-covered area (wound closure) - Condition 2 (corrected data)



Cell-covered area (wound closure) - Condition 3 (raw data)

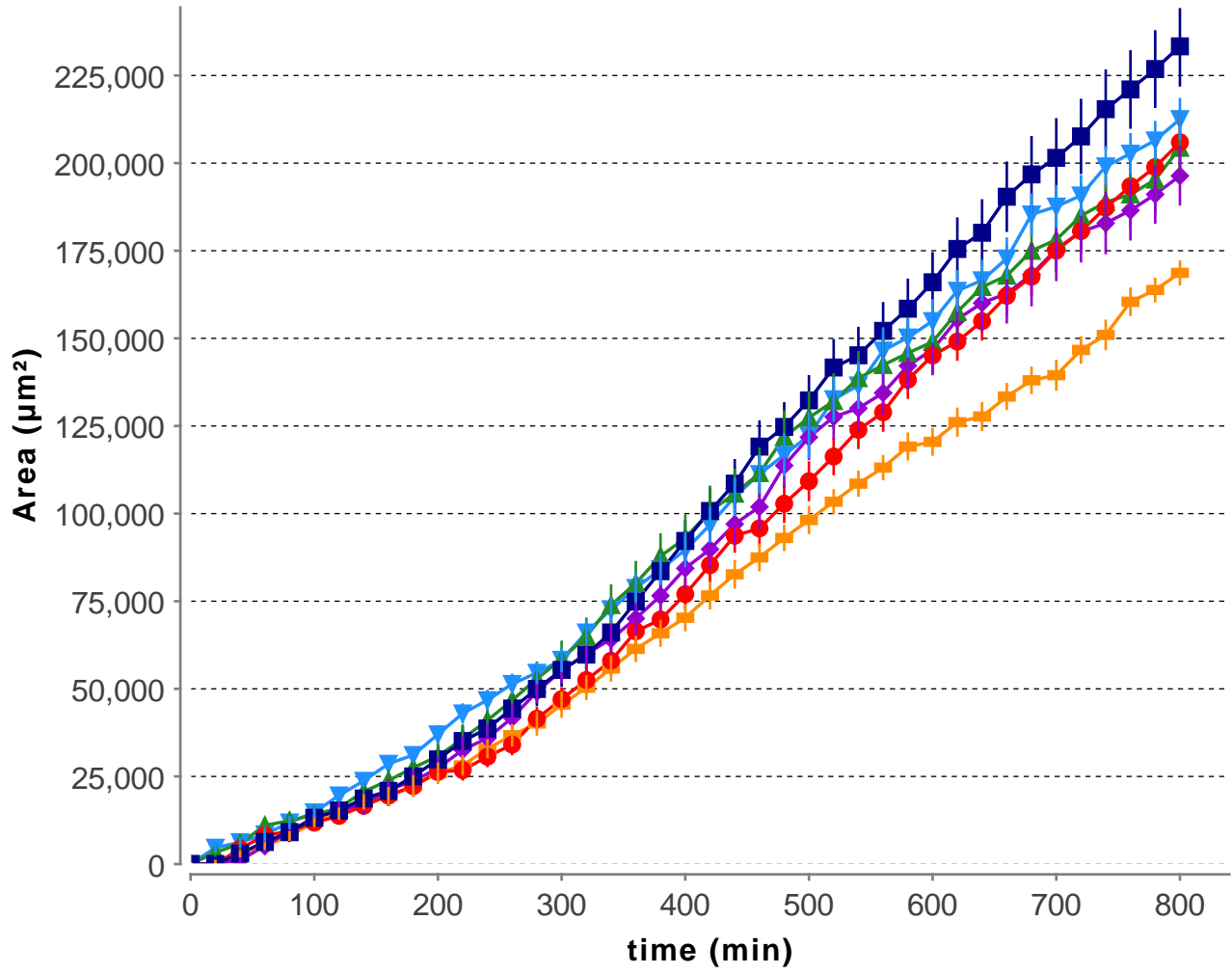


Cell-covered area (wound closure) - Condition 3 (corrected data)



Global View 1

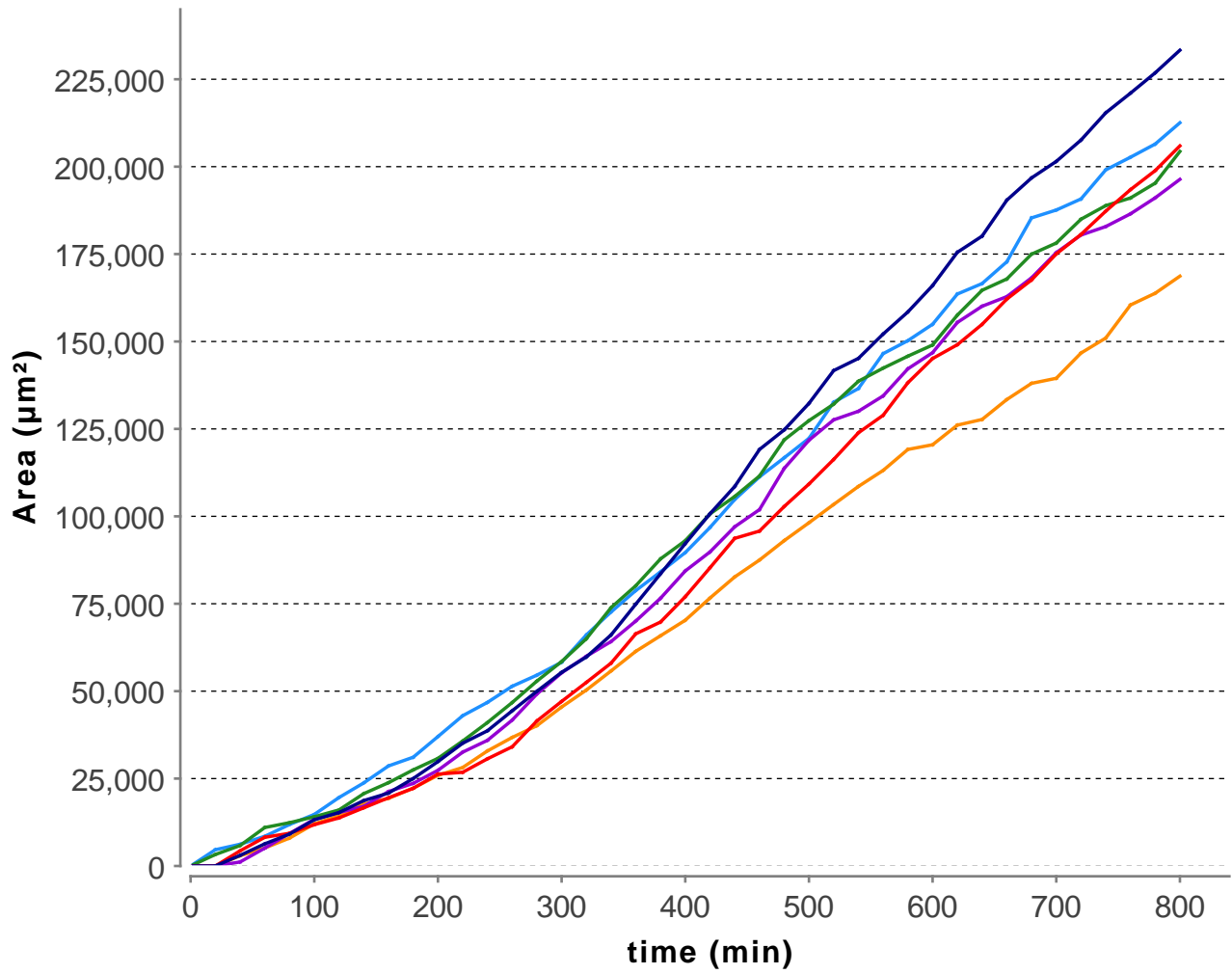
Area



Condition 1 Condition 2 Condition 3 Condition 4 Condition 5
Condition 6

Global View 2

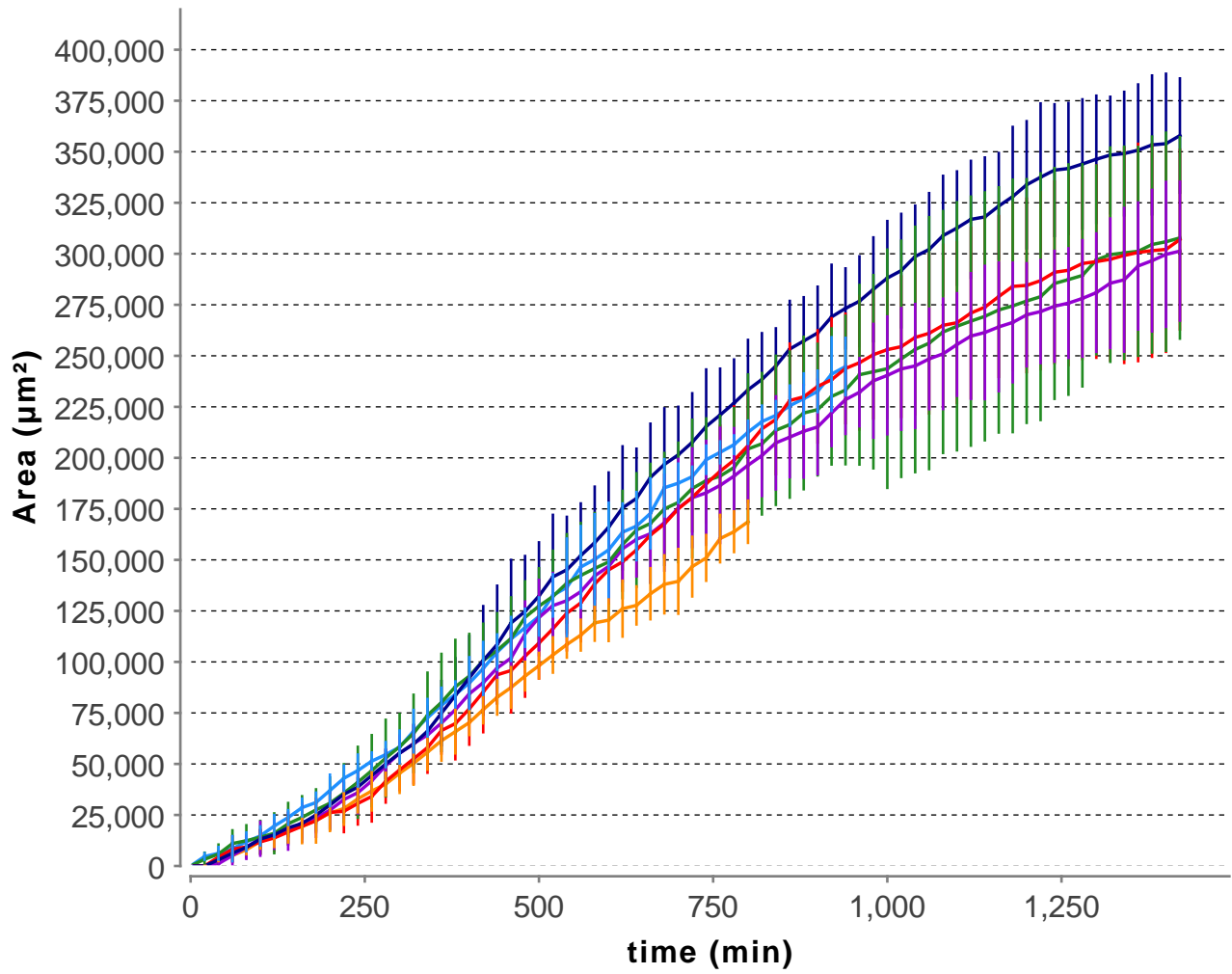
Area



Condition 1 Condition 2 Condition 3 Condition 4 Condition 5
Condition 6

Global View 3

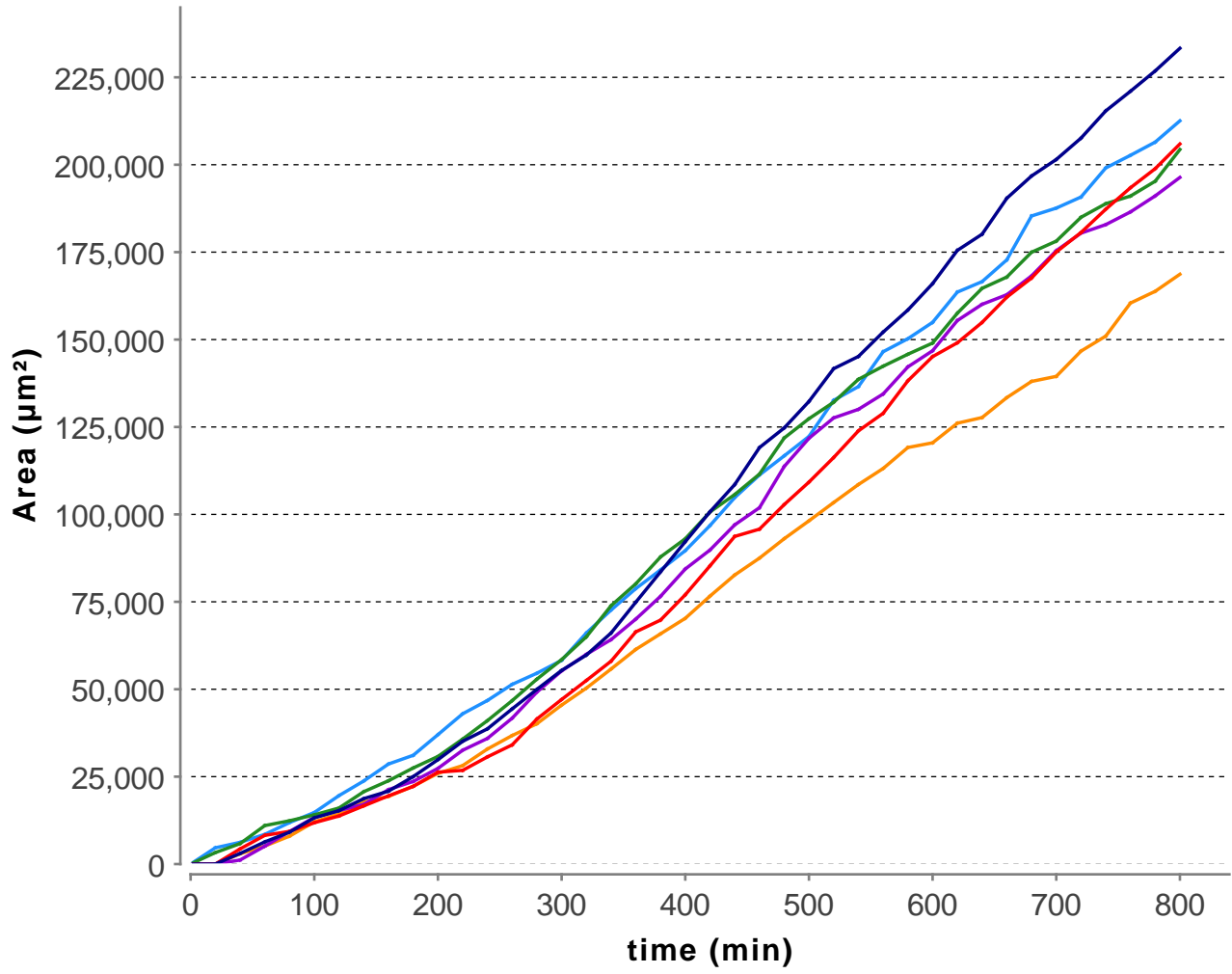
Area



Condition 1 Condition 2 Condition 3 Condition 4 Condition 5
Condition 6

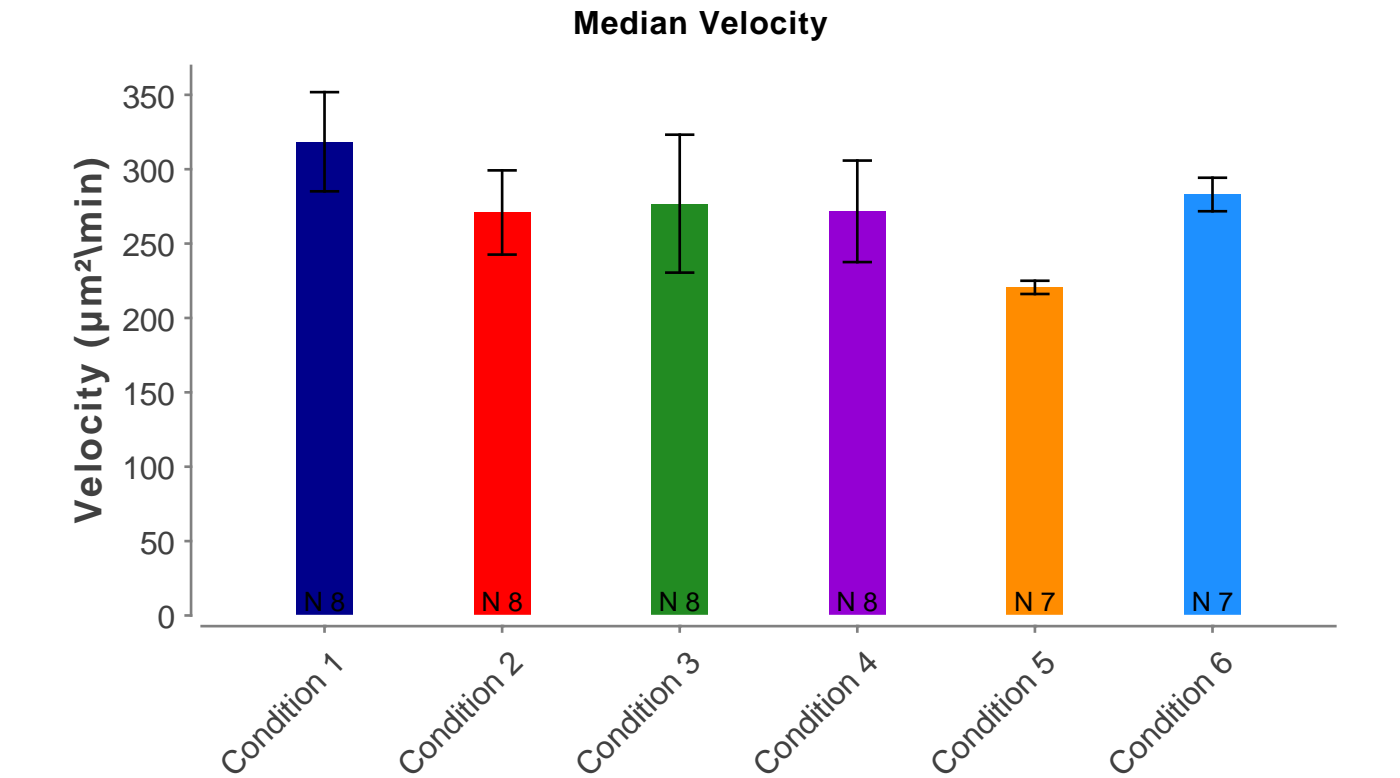
Global View 4

Area



Condition 1 Condition 2 Condition 3 Condition 4 Condition 5
Condition 6

LINEAR REGRESSION MODEL: SLOPE + R²										
Condition	Repl 1	Repl 2	Repl 3	Repl 4	Repl 5	Repl 6	Repl 7	Repl 8	median	MAD
1	318.37 (0.98)	392.86 (0.98)	325.96 (0.98)	224.64 (0.99)	284.99 (0.98)	333.33 (1.0)	288.36 (0.98)	318.59 (0.99)	318.477	33.333
2	279.68 (0.95)	312.5 (0.98)	288.14 (0.97)	257.44 (0.98)	249.96 (0.97)	229.48 (0.97)	262.14 (0.98)	296.45 (0.98)	270.905	28.307
3	287.69 (0.99)	247.31 (0.98)	243.82 (0.98)	312.61 (0.98)	344.5 (0.99)	268.83 (0.97)	234.31 (0.99)	284.85 (0.99)	276.839	46.367
4	279.7 (1.0)	324.21 (0.99)	222.69 (1.0)	263.69 (0.99)	250.26 (0.99)	281.75 (0.98)	296.29 (0.98)	214.28 (0.99)	271.694	34.125
5	excluded	219.14 (0.98)	222.83 (0.99)	202.68 (0.99)	250.62 (0.99)	229.43 (0.98)	217.56 (0.98)	220.56 (1.0)	220.562	4.444
6	excluded	275.41 (0.99)	283.0 (0.99)	241.16 (0.98)	278.06 (0.99)	318.18 (0.98)	284.91 (0.98)	308.13 (0.99)	283.002	11.263



ANALYSIS GROUPS

Analysis group: GROUP 1

Number of conditions: 6

SUMMARY STATISTICS

Condition	Max	Min	Mean	N	SD	Variance
Cond 1	392.856	224.639	310.886	8	48.08	2311.701
Cond 2	312.501	229.483	271.973	8	27.151	737.192
Cond 3	344.496	234.307	277.989	8	37.538	1409.103
Cond 4	324.213	214.276	266.609	8	36.923	1363.286
Cond 5	250.617	202.685	223.26	7	14.53	211.112
Cond 6	318.178	241.163	284.122	7	24.821	616.088

PAIRWISE COMPARISONS - mann_Whitney_Statistics - (p-values)

Multiple comparisons correction: none

	Cond 1	Cond 2	Cond 3	Cond 4	Cond 5	Cond 6
Cond 1	-	-	-	-	-	-
Cond 2	0.046	-	-	-	-	-
Cond 3	0.115	0.916	-	-	-	-
Cond 4	0.036	0.834	0.6	-	-	-
Cond 5	0.003	0.003	0.004	0.037	-	-
Cond 6	0.049	0.487	0.728	0.355	0.003	-

Multiple comparisons correction: benjamini

	Cond 1	Cond 2	Cond 3	Cond 4	Cond 5	Cond 6
Cond 1	-	-	-	-	-	-
Cond 2	0.099	-	-	-	-	-
Cond 3	0.192	0.916	-	-	-	-
Cond 4	0.107	0.893	0.749	-	-	-
Cond 5	0.026	0.026	0.014	0.093	-	-
Cond 6	0.092	0.665	0.841	0.532	0.013	-