

## Supplementary Material

Figure S1: Tracking efficiency of segmented objects by Imaris (A), Icy (B) and Phagosight (C) was evaluated using input as dataset 1 following segmentation by HK Means. Tracks for cells are overlain on a slice from a single time-point (A-C) and were compared against the ground truth generated by manual tracking. Scoring of tracking was performed by counting the number of track breaks, loss or inappropriate links for each program for all three datasets (D). Accuracy of tracking for each program was determined by calculating alpha, beta and Jaccard coefficients of fit (E) relative to the ground truth.

Scale bar 50  $\mu\text{m}$ .

Table S1: Statistical significance of differences in parameters of cell movement and shape between control (DMSO) treated, ROCKout treated and Y-27632 treated larvae. Significance for each parameter between conditions was tested by a Kruskal-Wallis test followed by pairwise comparisons using a Dunn post-hoc test.

Table S2: Statistical significance of differences in parameters of cell movement and shape between injured and uninjured myotomes of control and blebbistatin treated larvae. Significance for differences in a parameter between conditions was tested by a Kruskal-Wallis test followed by pairwise comparisons using a Dunn post-hoc test.

Table S3: table of correlation values (corr) and p values from cross-correlation tests between parameters of shape and movement. Values are derived for each class of cells analysed from datasets of larvae with variables of blebbistatin treatment and injury. Classes are defined as: Blebbistatin +Injury (B\_I), Blebbistatin -Injury (B\_NI), No Blebbistatin +Injury (NB\_I), No Blebbistatin -Injury (NB\_NI). Significance of correlations between parameters is shown for uninjured animals in an absence of blebbistatin (controls) with  $p < 0.05$  (\*) or  $p > 0.05$  (NS) and correlations are colour coded to show positive (yellow) or negative (orange) correlations.

Table S4: multiple regression models for shape and movement parameters from datasets of larvae with variables of blebbistatin treatment and injury. Changes to parameters of shape and movement were fitted against models incorporating independent variables of time, injury, addition of blebbistatin, the dataset or injury-blebbistatin interactions using multiple linear regression. The coefficient of fit and significance value is shown for each parameter relative to the variable tested. Correlations showing a significance of  $p < 0.05$  (\*) and a coefficient of fit  $> \pm 0.4$  were selected and negative correlations ( $> -0.4$ ) highlighted in orange and significant positive correlations in yellow ( $> 0.4$ ).

Video 1: maximum intensity projection of a confocal imaging time-lapse sequence of a 7 dpf pax7a:egfp larvae that has been injured (arrowhead) in the ventral myotome (dataset 1). Z-stacks were acquired every 20 minutes from 8 hours after injury (asterisk). Scale bar 50 $\mu$ m.

Video 2: maximum intensity projection of a confocal imaging time-lapse sequence of an uninjured 7 dpf pax7a:egfp larvae (dataset 0). Scale bar 50µm.

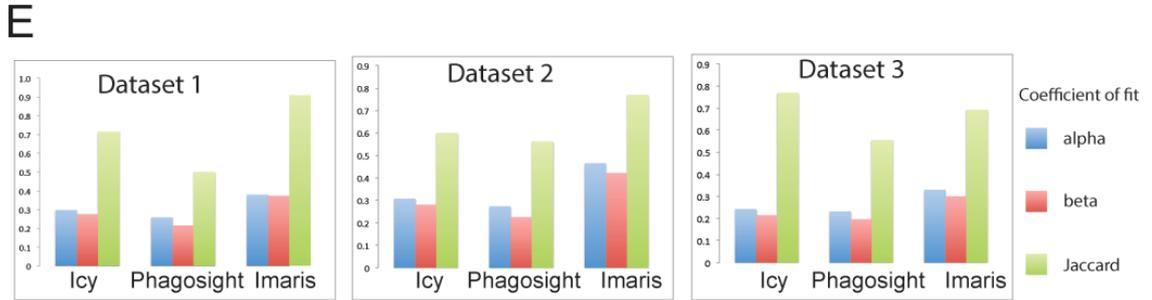
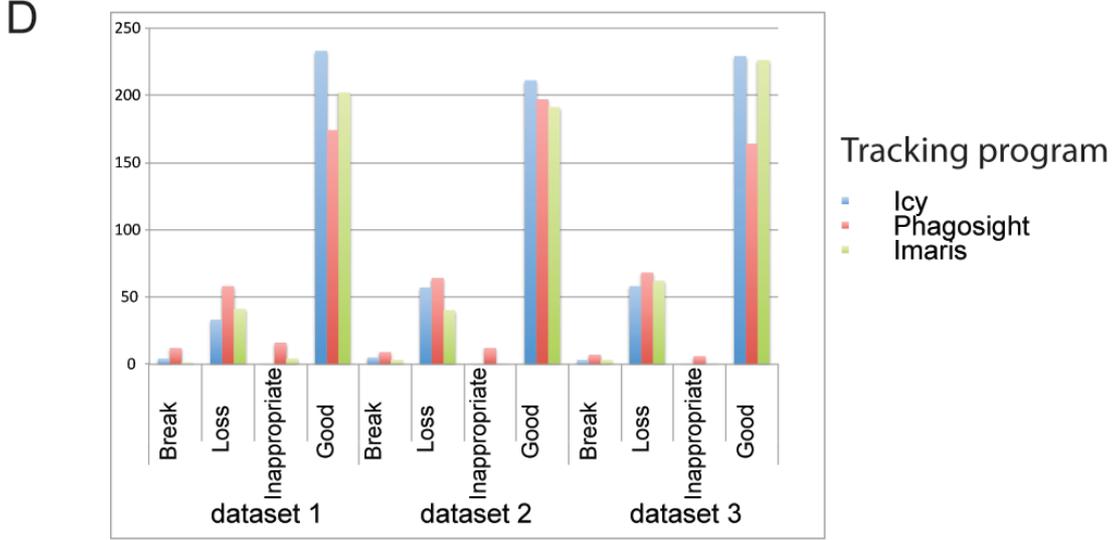
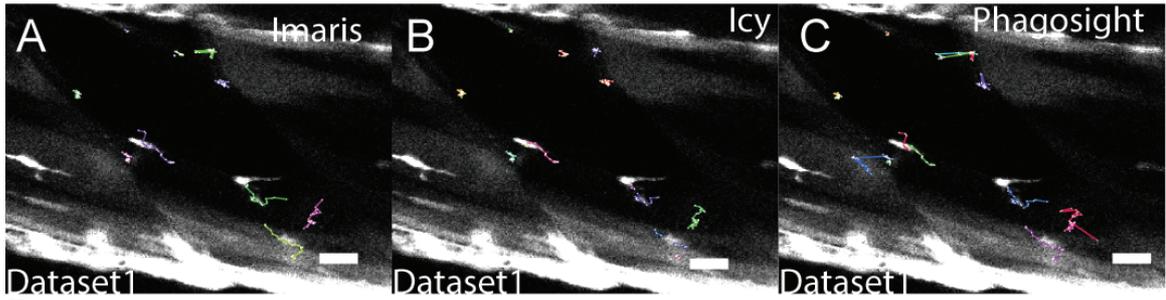
Video 3: maximum intensity projection of a confocal imaging time-lapse sequence of an uninjured 3 dpf pax7a:egfp larvae treated with 1% DMSO (dataset 4). Z-stacks were acquired every 20 minutes. Scale bar 50µm.

Video 4: maximum intensity projection of a confocal imaging time-lapse sequence of an uninjured 3 dpf pax7a:egfp larvae treated with 15µM Y-27632 (dataset 5). Z-stacks were acquired every 20 minutes. Scale bar 50µm.

Video 5: maximum intensity projection of a confocal imaging time-lapse sequence of an uninjured 3 dpf pax7a:egfp larvae treated with 10µM ROCKout (dataset 6). Z-stacks were acquired every 20 minutes. Scale bar 50µm.

Video 6: maximum intensity projection of a confocal imaging time-lapse sequence of a pax7a:egfp larvae that has been injured (asterisk) in ventral myotome 11 (dataset 9). Scale bar 50µm.

Video 7: maximum intensity projection of a confocal imaging time-lapse sequence of a pax7a:egfp larvae that has been injured (asterisk) in ventral myotome 11 (arrowhead) and treated with 0.8µM blebbistatin (dataset 10). Scale bar 50µm.



**Figure S1**

	Distance ( $\mu\text{m}$ )	Displacement ( $\mu\text{m}$ )	Directionality	Directional autocorrelation	Instantaneous speed ( $\mu\text{m}/\text{hr}$ )	Surface Area ( $\mu\text{m}^2$ )	Volume ( $\mu\text{m}^3$ )	Sphericity (%)	Convexity (%)	Roundness (%)
Kruskal-Wallis statistic	2.41e-10	5.58e-12	< 2.2e-16	1.52e-8	0.0043	< 2.2e-16	< 2.2e-16	< 2.2e-16	< 2.2e-16	< 2.2e-16
Control-ROCKout	6.6e-10	0.87	3.9e-09	0.00065	0.30	2e-16	1.4e-12	<2e-16	<2e-16	<2e-16
Control-Y27632	7.4e-05	7.2e-11	< 2e-16	0.00079	0.011	2e-16	< 2e-16	<2e-16	<2e-16	0.0034
ROCKout-Y27632	0.0019	3.1e-09	0.00083	1.9e-10	0.0012	1.3e-15	8.4e-08	0.026	0.021	<2e-16

**Table S1**

	Distance ( $\mu\text{m}$ )	Displacement ( $\mu\text{m}$ )	Directionality	Directional autocorrelation	Instantaneous speed ( $\mu\text{m}/\text{hr}$ )	Surface Area ( $\mu\text{m}^2$ )	Volume ( $\mu\text{m}^3$ )	Sphericity (%)	Convexity (%)	Roundness (%)
KW statistic	1.85e-09	2.42e-10	0.0011	5.65e-05	1.62e-11	0.061	0.20	0.059	0.12	0.32
2-3	1.29e-06	3.18e-05	0.1505	8.4e-05	9.10e-07	0.0098	0.11	0.0038	0.018	0.097
1-3	0.17	0.0264	0.1159	0.0015	0.0531	0.092	0.41	0.023	0.072	0.35
1-2	2.13e-10	2.57e-11	0.0068	0.6305	7.97e-13	0.13	0.13	0.23	0.24	0.16
0-3	0.11	0.0171	0.0120	1.1e-05	0.16	0.0078	0.038	0.024	0.014	0.39
0-2	3.31e-05	0.0131	0.0913	0.5269	5.94e-06	0.50	0.29	0.20	0.48	0.036
0-1	0.0065	2.38e-06	0.0001	0.2026	0.0016	0.12	0.044	0.47	0.22	0.22

**Table S2**

### Table S3

Cross correlation values for parameters of shape and movement across classes.

comparison	Parameter 1	Parameter 2	cor	p	class	Significance weighting
1	Convexity_.	Ellipse_A	-0.1342009	0.0001043	B_I	
	Convexity_.	Ellipse_A	-0.0771927	0.00331192	B_NI	
	Convexity_.	Ellipse_A	-0.0981427	0.0003986	NB_I	
	Convexity_.	Ellipse_A	-0.1321582	1.66E-07	NB_NI	*
2	Convexity_.	Ellipse_B	-0.0482205	0.1649023	B_I	
	Convexity_.	Ellipse_B	-0.0083273	0.75170806	B_NI	
	Convexity_.	Ellipse_B	-0.1341958	1.22E-06	NB_I	
	Convexity_.	Ellipse_B	-0.0445719	0.07871035	NB_NI	NS
3	Convexity_.	Ellipse_C	-0.1062653	0.00215932	B_I	
	Convexity_.	Ellipse_C	-0.170527	6.72E-11	B_NI	
	Convexity_.	Ellipse_C	-0.1044182	0.00016414	NB_I	
	Convexity_.	Ellipse_C	-0.2406585	0	NB_NI	*
4	Convexity_.	Elongation	0.10979097	0.00152557	B_I	
	Convexity_.	Elongation	-0.0140268	0.59406681	B_NI	
	Convexity_.	Elongation	-0.0145762	0.59981208	NB_I	
	Convexity_.	Elongation	-0.0636733	0.01197064	NB_NI	NS
5	Convexity_.	Flatness_Ratio	-0.1359129	8.48E-05	B_I	
	Convexity_.	Flatness_Ratio	-0.0376543	0.15239483	B_NI	
	Convexity_.	Flatness_Ratio	-0.2853036	0	NB_I	
	Convexity_.	Flatness_Ratio	-0.1440131	1.14E-08	NB_NI	*
6	Convexity_.	Max_Feret_Diameter	-0.4020119	0	B_I	
	Convexity_.	Max_Feret_Diameter	-0.5946732	0	B_NI	
	Convexity_.	Max_Feret_Diameter	-0.6353698	0	NB_I	
	Convexity_.	Max_Feret_Diameter	-0.5921512	0	NB_NI	*
7	Directionality	Convexity_.	-0.0343352	0.33118219	B_I	
	Directionality	Convexity_.	-0.0443303	0.09779324	B_NI	
	Directionality	Convexity_.	-0.0108995	0.70556758	NB_I	
	Directionality	Convexity_.	0.04030877	0.11790975	NB_NI	NS
8	Directionality	Ellipse_A	-0.0233787	0.50826124	B_I	
	Directionality	Ellipse_A	-0.0170323	0.52487026	B_NI	
	Directionality	Ellipse_A	0.01701106	0.55539757	NB_I	
	Directionality	Ellipse_A	-0.0120249	0.64101225	NB_NI	NS
9	Directionality	Ellipse_B	-0.0370326	0.29458072	B_I	
	Directionality	Ellipse_B	-0.0177609	0.50729234	B_NI	
	Directionality	Ellipse_B	0.0274358	0.34151462	NB_I	
	Directionality	Ellipse_B	0.0179823	0.48560268	NB_NI	NS
10	Directionality	Ellipse_C	-0.031027	0.37991019	B_I	
	Directionality	Ellipse_C	0.0086824	0.74584954	B_NI	
	Directionality	Ellipse_C	0.02394454	0.406482	NB_I	
	Directionality	Ellipse_C	-0.0336671	0.19161724	NB_NI	NS
11	Directionality	Elongation	-0.1297293	0.00022778	B_I	
	Directionality	Elongation	0.00485158	0.85628233	B_NI	
	Directionality	Elongation	0.03334789	0.2475797	NB_I	
	Directionality	Elongation	-0.0370018	0.15121994	NB_NI	NS
12	Directionality	Flatness_Ratio	0.0038512	0.91323198	B_I	
	Directionality	Flatness_Ratio	-0.0187837	0.48314728	B_NI	
	Directionality	Flatness_Ratio	0.01548588	0.59139619	NB_I	
	Directionality	Flatness_Ratio	0.031067	0.22823667	NB_NI	NS
13	Directionality	Max_Feret_Diameter	-0.0406904	0.24942993	B_I	
	Directionality	Max_Feret_Diameter	0.14013021	1.46E-07	B_NI	
	Directionality	Max_Feret_Diameter	0.04903847	0.08897542	NB_I	
	Directionality	Max_Feret_Diameter	-0.0162614	0.52831816	NB_NI	NS
14	Directionality	Roundness_.	-0.0296138	0.40200257	B_I	
	Directionality	Roundness_.	-0.0973193	0.00027101	B_NI	
	Directionality	Roundness_.	-0.0733883	0.01085701	NB_I	

	Directionality	Roundness_.	0.0020959	0.93522824	NB_NI	NS
15	Directionality	Sphericity_.	-0.0376182	0.28700581	B_I	
	Directionality	Sphericity_.	-0.0633881	0.01785381	B_NI	
	Directionality	Sphericity_.	0.07073178	0.01409525	NB_I	
	Directionality	Sphericity_.	0.04303997	0.09498898	NB_NI	NS
16	Directionality	Surface_Area	0.09968589	0.00469175	B_I	
	Directionality	Surface_Area	0.08173048	0.0022425	B_NI	
	Directionality	Surface_Area	-0.0559867	0.05211638	NB_I	
	Directionality	Surface_Area	-0.0808041	0.00169925	NB_NI	*
17	Directionality	Volume	0.14176981	5.54E-05	B_I	
	Directionality	Volume	0.10787848	5.37E-05	B_NI	
	Directionality	Volume	-0.0029108	0.91963343	NB_I	
	Directionality	Volume	-0.0896425	0.00049601	NB_NI	*
18	Directionality	X_size	-0.0277842	0.4317186	B_I	
	Directionality	X_size	0.13454624	4.52E-07	B_NI	
	Directionality	X_size	0.04351831	0.13125397	NB_I	
	Directionality	X_size	-0.0095507	0.71113295	NB_NI	NS
19	Directionality	Y_size	-0.0021362	0.95180488	B_I	
	Directionality	Y_size	0.06467917	0.0156499	B_NI	
	Directionality	Y_size	0.03683987	0.20146053	NB_I	
	Directionality	Y_size	-0.0272711	0.29022232	NB_NI	NS
20	Directionality	Z_size	0.1343978	0.00013352	B_I	
	Directionality	Z_size	0.05160434	0.05389812	B_NI	
	Directionality	Z_size	-0.140616	9.66E-07	NB_I	
	Directionality	Z_size	-0.0512889	0.04658682	NB_NI	*
21	Ellipse_A	Ellipse_B	-0.0081213	0.81516826	B_I	
	Ellipse_A	Ellipse_B	0.00308907	0.90657105	B_NI	
	Ellipse_A	Ellipse_B	0.07908726	0.00435739	NB_I	
	Ellipse_A	Ellipse_B	0.01265245	0.61787102	NB_NI	NS
22	Ellipse_A	Ellipse_C	0.09189574	0.00803233	B_I	
	Ellipse_A	Ellipse_C	0.44095296	0	B_NI	
	Ellipse_A	Ellipse_C	0.15713197	1.26E-08	NB_I	
	Ellipse_A	Ellipse_C	0.24057916	0	NB_NI	*
23	Ellipse_A	Elongation	0.70130503	0	B_I	
	Ellipse_A	Elongation	0.87796605	0	B_NI	
	Ellipse_A	Elongation	0.50870252	0	NB_I	
	Ellipse_A	Elongation	0.901443	0	NB_NI	*
24	Ellipse_A	Flatness_Ratio	-0.0087235	0.80173691	B_I	
	Ellipse_A	Flatness_Ratio	-0.0019378	0.94131018	B_NI	
	Ellipse_A	Flatness_Ratio	0.01121174	0.68653824	NB_I	
	Ellipse_A	Flatness_Ratio	0.00343685	0.89221215	NB_NI	NS
25	Ellipse_B	Ellipse_C	0.32169312	0	B_I	
	Ellipse_B	Ellipse_C	0.19915795	2.13E-14	B_NI	
	Ellipse_B	Ellipse_C	0.53321636	0	NB_I	
	Ellipse_B	Ellipse_C	0.28872606	0	NB_NI	*
26	Ellipse_B	Elongation	-0.0574443	0.09795976	B_I	
	Ellipse_B	Elongation	-0.0100304	0.70312941	B_NI	
	Ellipse_B	Elongation	-0.072559	0.00892101	NB_I	
	Ellipse_B	Elongation	-0.0114179	0.65257318	NB_NI	NS
27	Ellipse_B	Flatness_Ratio	0.93762028	0	B_I	
	Ellipse_B	Flatness_Ratio	0.99648869	0	B_NI	
	Ellipse_B	Flatness_Ratio	0.44592172	0	NB_I	
	Ellipse_B	Flatness_Ratio	0.95222205	0	NB_NI	*
28	Ellipse_C	Elongation	-0.1162253	0.00078857	B_I	
	Ellipse_C	Elongation	0.27555656	0	B_NI	
	Ellipse_C	Elongation	-0.0483337	0.08173684	NB_I	
	Ellipse_C	Elongation	0.12035219	1.91E-06	NB_NI	*
29	Ellipse_C	Flatness_Ratio	0.20437445	2.76E-09	B_I	

	Ellipse_C	Flatness_Ratio	0.173253	3.30E-11	B_NI	
	Ellipse_C	Flatness_Ratio	-0.0189737	0.4946166	NB_I	
	Ellipse_C	Flatness_Ratio	0.18198234	4.64E-13	NB_NI	*
30	Elongation	Flatness_Ratio	-0.1185759	0.00061448	B_I	
	Elongation	Flatness_Ratio	-0.0199463	0.44850901	B_NI	
	Elongation	Flatness_Ratio	-0.1631567	3.38E-09	NB_I	
	Elongation	Flatness_Ratio	-0.0472429	0.06236496	NB_NI	NS
31	Instantaneous_Speed	Convexity_.	-0.1171073	0.00088489	B_I	
	Instantaneous_Speed	Convexity_.	-0.1979037	8.55E-14	B_NI	
	Instantaneous_Speed	Convexity_.	-0.1187167	3.63E-05	NB_I	
	Instantaneous_Speed	Convexity_.	-0.0986025	0.00012677	NB_NI	*
32	Instantaneous_Speed	Directionality	0.06242842	0.03114585	B_I	
	Instantaneous_Speed	Directionality	0.06400982	0.00788369	B_NI	
	Instantaneous_Speed	Directionality	0.05536192	0.02694151	NB_I	
	Instantaneous_Speed	Directionality	-0.0133527	0.55576944	NB_NI	NS
33	Instantaneous_Speed	Ellipse_A	0.04056222	0.25092566	B_I	
	Instantaneous_Speed	Ellipse_A	-0.0010171	0.9697133	B_NI	
	Instantaneous_Speed	Ellipse_A	0.02997916	0.29862288	NB_I	
	Instantaneous_Speed	Ellipse_A	-0.0026178	0.91914887	NB_NI	NS
34	Instantaneous_Speed	Ellipse_B	-0.0080517	0.81979273	B_I	
	Instantaneous_Speed	Ellipse_B	-0.0007087	0.97889389	B_NI	
	Instantaneous_Speed	Ellipse_B	0.01492679	0.60485521	NB_I	
	Instantaneous_Speed	Ellipse_B	-0.006902	0.78898591	NB_NI	NS
35	Instantaneous_Speed	Ellipse_C	0.01200098	0.73419001	B_I	
	Instantaneous_Speed	Ellipse_C	0.01238902	0.64372625	B_NI	
	Instantaneous_Speed	Ellipse_C	-0.0546316	0.05808008	NB_I	
	Instantaneous_Speed	Ellipse_C	0.03408169	0.18620106	NB_NI	NS
36	Instantaneous_Speed	Elongation	0.02700499	0.44475129	B_I	
	Instantaneous_Speed	Elongation	0.00963921	0.71896965	B_NI	
	Instantaneous_Speed	Elongation	0.12571403	1.21E-05	NB_I	
	Instantaneous_Speed	Elongation	0.00714551	0.78172576	NB_NI	NS
37	Instantaneous_Speed	Flatness_Ratio	0.01026208	0.7715456	B_I	
	Instantaneous_Speed	Flatness_Ratio	0.0082319	0.75861581	B_NI	
	Instantaneous_Speed	Flatness_Ratio	0.03898017	0.17648085	NB_I	
	Instantaneous_Speed	Flatness_Ratio	-0.0019845	0.93866516	NB_NI	NS
38	Instantaneous_Speed	Max_Feret_Diameter	0.12447563	0.00040691	B_I	
	Instantaneous_Speed	Max_Feret_Diameter	0.24145927	0	B_NI	
	Instantaneous_Speed	Max_Feret_Diameter	0.18091476	2.56E-10	NB_I	
	Instantaneous_Speed	Max_Feret_Diameter	0.11882038	3.77E-06	NB_NI	*
39	Instantaneous_Speed	Roundness_.	-0.1214891	0.00056039	B_I	
	Instantaneous_Speed	Roundness_.	-0.1549447	5.91E-09	B_NI	
	Instantaneous_Speed	Roundness_.	-0.1731074	1.48E-09	NB_I	
	Instantaneous_Speed	Roundness_.	-0.0661203	0.01026945	NB_NI	*
40	Instantaneous_Speed	Sphericity_.	-0.0660722	0.0612849	B_I	
	Instantaneous_Speed	Sphericity_.	-0.1614091	1.32E-09	B_NI	
	Instantaneous_Speed	Sphericity_.	-0.114509	6.83E-05	NB_I	
	Instantaneous_Speed	Sphericity_.	-0.0838177	0.00113089	NB_NI	*
41	Instantaneous_Speed	Surface_Area	0.03551306	0.31485252	B_I	
	Instantaneous_Speed	Surface_Area	0.20415029	1.33E-14	B_NI	
	Instantaneous_Speed	Surface_Area	0.0653233	0.02340851	NB_I	
	Instantaneous_Speed	Surface_Area	0.11194217	1.34E-05	NB_NI	*
42	Instantaneous_Speed	Total_displacement	0.31955203	0	B_I	
	Instantaneous_Speed	Total_displacement	0.23442675	0	B_NI	
	Instantaneous_Speed	Total_displacement	0.26047119	0	NB_I	
	Instantaneous_Speed	Total_displacement	0.22336558	0	NB_NI	*
43	Instantaneous_Speed	Total_distance	0.28181186	0	B_I	
	Instantaneous_Speed	Total_distance	0.21650349	0	B_NI	
	Instantaneous_Speed	Total_distance	0.33511588	0	NB_I	

	Instantaneous_Speed	Total_distance	0.27951902	0	NB_NI	*
44	Instantaneous_Speed	Volume	0.0416734	0.23816631	B_I	
	Instantaneous_Speed	Volume	0.13898326	1.85E-07	B_NI	
	Instantaneous_Speed	Volume	0.03102822	0.28202581	NB_I	
	Instantaneous_Speed	Volume	0.10878737	2.33E-05	NB_NI	*
45	Instantaneous_Speed	X_size	0.13156758	0.00018496	B_I	
	Instantaneous_Speed	X_size	0.24000408	0	B_NI	
	Instantaneous_Speed	X_size	0.18785654	5.03E-11	NB_I	
	Instantaneous_Speed	X_size	0.1123905	1.23E-05	NB_NI	*
46	Instantaneous_Speed	Y_size	0.02314061	0.51259172	B_I	
	Instantaneous_Speed	Y_size	0.0819255	0.00218839	B_NI	
	Instantaneous_Speed	Y_size	0.02282655	0.4287503	NB_I	
	Instantaneous_Speed	Y_size	0.07348767	0.0043262	NB_NI	*
47	Instantaneous_Speed	Z_size	0.02568109	0.46739892	B_I	
	Instantaneous_Speed	Z_size	0.14881977	2.32E-08	B_NI	
	Instantaneous_Speed	Z_size	0.01122609	0.69717369	NB_I	
	Instantaneous_Speed	Z_size	0.04796381	0.06276289	NB_NI	NS
48	Max_Feret_Diameter	Ellipse_A	0.25375873	1.12E-13	B_I	
	Max_Feret_Diameter	Ellipse_A	0.05565497	0.03433096	B_NI	
	Max_Feret_Diameter	Ellipse_A	0.095915	0.00053967	NB_I	
	Max_Feret_Diameter	Ellipse_A	0.1302067	2.53E-07	NB_NI	*
49	Max_Feret_Diameter	Ellipse_B	0.09749666	0.00490791	B_I	
	Max_Feret_Diameter	Ellipse_B	0.01518833	0.5638786	B_NI	
	Max_Feret_Diameter	Ellipse_B	0.12351413	8.09E-06	NB_I	
	Max_Feret_Diameter	Ellipse_B	0.03786833	0.13528649	NB_NI	NS
50	Max_Feret_Diameter	Ellipse_C	-0.0187733	0.58891323	B_I	
	Max_Feret_Diameter	Ellipse_C	-0.0350365	0.18300273	B_NI	
	Max_Feret_Diameter	Ellipse_C	-0.0216764	0.43521942	NB_I	
	Max_Feret_Diameter	Ellipse_C	0.03302832	0.19272229	NB_NI	NS
51	Max_Feret_Diameter	Elongation	0.31559172	0	B_I	
	Max_Feret_Diameter	Elongation	0.11530654	1.10E-05	B_NI	
	Max_Feret_Diameter	Elongation	0.22562689	2.22E-16	NB_I	
	Max_Feret_Diameter	Elongation	0.19426528	1.07E-14	NB_NI	*
52	Max_Feret_Diameter	Flatness_Ratio	0.15608375	6.17E-06	B_I	
	Max_Feret_Diameter	Flatness_Ratio	0.04416628	0.09318179	B_NI	
	Max_Feret_Diameter	Flatness_Ratio	0.28700814	0	NB_I	
	Max_Feret_Diameter	Flatness_Ratio	0.12913622	3.17E-07	NB_NI	*
53	Roundness_.	Convexity_.	0.57060558	0	B_I	
	Roundness_.	Convexity_.	0.66741312	0	B_NI	
	Roundness_.	Convexity_.	0.62570381	0	NB_I	
	Roundness_.	Convexity_.	0.53401101	0	NB_NI	*
54	Roundness_.	Ellipse_A	-0.1865747	6.03E-08	B_I	
	Roundness_.	Ellipse_A	-0.0932183	0.00038609	B_NI	
	Roundness_.	Ellipse_A	-0.107154	0.00010976	NB_I	
	Roundness_.	Ellipse_A	-0.1031006	4.59E-05	NB_NI	*
55	Roundness_.	Ellipse_B	-0.0592236	0.08797622	B_I	
	Roundness_.	Ellipse_B	-0.0093786	0.72159029	B_NI	
	Roundness_.	Ellipse_B	-0.1014484	0.00025135	NB_I	
	Roundness_.	Ellipse_B	-0.0412622	0.10362162	NB_NI	NS
56	Roundness_.	Ellipse_C	0.05374611	0.12159103	B_I	
	Roundness_.	Ellipse_C	-0.0209381	0.42626561	B_NI	
	Roundness_.	Ellipse_C	0.03060014	0.27061363	NB_I	
	Roundness_.	Ellipse_C	0.01566536	0.53678727	NB_NI	NS
57	Roundness_.	Elongation	-0.1916774	2.56E-08	B_I	
	Roundness_.	Elongation	-0.1245853	2.01E-06	B_NI	
	Roundness_.	Elongation	-0.1865087	1.27E-11	NB_I	
	Roundness_.	Elongation	-0.1473594	5.16E-09	NB_NI	*
58	Roundness_.	Flatness_Ratio	-0.1365048	7.89E-05	B_I	

	Roundness_.	Flatness_Ratio	-0.036335	0.16729545	B_NI	
	Roundness_.	Flatness_Ratio	-0.2992585	0	NB_I	
	Roundness_.	Flatness_Ratio	-0.12594	6.19E-07	NB_NI	*
59	Roundness_.	Max_Feret_Diameter	-0.5789781	0	B_I	
	Roundness_.	Max_Feret_Diameter	-0.6375035	0	B_NI	
	Roundness_.	Max_Feret_Diameter	-0.7151635	0	NB_I	
	Roundness_.	Max_Feret_Diameter	-0.650316	0	NB_NI	*
60	Sphericity_.	Convexity_.	0.7716229	0	B_I	
	Sphericity_.	Convexity_.	0.84727472	0	B_NI	
	Sphericity_.	Convexity_.	0.7729547	0	NB_I	
	Sphericity_.	Convexity_.	0.68545753	0	NB_NI	*
61	Sphericity_.	Ellipse_A	-0.1327492	0.00012404	B_I	
	Sphericity_.	Ellipse_A	-0.0476482	0.07008692	B_NI	
	Sphericity_.	Ellipse_A	-0.1024595	0.00021768	NB_I	
	Sphericity_.	Ellipse_A	-0.1018641	5.66E-05	NB_NI	*
62	Sphericity_.	Ellipse_B	-0.020235	0.56023228	B_I	
	Sphericity_.	Ellipse_B	-0.003432	0.89625495	B_NI	
	Sphericity_.	Ellipse_B	-0.1207995	1.28E-05	NB_I	
	Sphericity_.	Ellipse_B	-0.0283073	0.26429432	NB_NI	NS
63	Sphericity_.	Ellipse_C	0.02390745	0.49130003	B_I	
	Sphericity_.	Ellipse_C	-0.1126811	1.75E-05	B_NI	
	Sphericity_.	Ellipse_C	0.00472396	0.86498599	NB_I	
	Sphericity_.	Ellipse_C	-0.0517177	0.04130565	NB_NI	NS
64	Sphericity_.	Elongation	0.00329699	0.92439444	B_I	
	Sphericity_.	Elongation	-0.0099765	0.70464936	B_NI	
	Sphericity_.	Elongation	-0.0819973	0.00311342	NB_I	
	Sphericity_.	Elongation	-0.0918489	0.00028451	NB_NI	*
65	Sphericity_.	Flatness_Ratio	-0.0936642	0.00689356	B_I	
	Sphericity_.	Flatness_Ratio	-0.0337747	0.19928749	B_NI	
	Sphericity_.	Flatness_Ratio	-0.3471782	0	NB_I	
	Sphericity_.	Flatness_Ratio	-0.1379655	4.61E-08	NB_NI	*
66	Sphericity_.	Max_Feret_Diameter	-0.4136333	0	B_I	
	Sphericity_.	Max_Feret_Diameter	-0.6126686	0	B_NI	
	Sphericity_.	Max_Feret_Diameter	-0.6561826	0	NB_I	
	Sphericity_.	Max_Feret_Diameter	-0.6742815	0	NB_NI	*
67	Sphericity_.	Roundness_.	0.64870644	0	B_I	
	Sphericity_.	Roundness_.	0.72973853	0	B_NI	
	Sphericity_.	Roundness_.	0.66522938	0	NB_I	
	Sphericity_.	Roundness_.	0.72048014	0	NB_NI	*
68	Surface_Area	Convexity_.	-0.679974	0	B_I	
	Surface_Area	Convexity_.	-0.7836588	0	B_NI	
	Surface_Area	Convexity_.	-0.7530592	0	NB_I	
	Surface_Area	Convexity_.	-0.7518147	0	NB_NI	*
69	Surface_Area	Ellipse_A	0.15604641	6.20E-06	B_I	
	Surface_Area	Ellipse_A	0.04236478	0.10733109	B_NI	
	Surface_Area	Ellipse_A	0.08910769	0.00131058	NB_I	
	Surface_Area	Ellipse_A	0.09027191	0.00036185	NB_NI	*
70	Surface_Area	Ellipse_B	0.01339054	0.6999069	B_I	
	Surface_Area	Ellipse_B	0.00317531	0.90397521	B_NI	
	Surface_Area	Ellipse_B	0.13050997	2.39E-06	NB_I	
	Surface_Area	Ellipse_B	0.03592582	0.15650927	NB_NI	NS
71	Surface_Area	Ellipse_C	0.04938	0.1549665	B_I	
	Surface_Area	Ellipse_C	0.19372568	1.08E-13	B_NI	
	Surface_Area	Ellipse_C	0.06333176	0.02250148	NB_I	
	Surface_Area	Ellipse_C	0.16860437	2.15E-11	NB_NI	*
72	Surface_Area	Elongation	-0.0673141	0.05241035	B_I	
	Surface_Area	Elongation	-0.0150166	0.56829396	B_NI	
	Surface_Area	Elongation	-0.0101548	0.7147302	NB_I	

	Surface_Area	Elongation	0.02811559	0.26754375	NB_NI	NS
73	Surface_Area	Flatness_Ratio	0.08061173	0.02012093	B_I	
	Surface_Area	Flatness_Ratio	0.02695807	0.30563916	B_NI	
	Surface_Area	Flatness_Ratio	0.33756283	0	NB_I	
	Surface_Area	Flatness_Ratio	0.12359816	9.99E-07	NB_NI	*
74	Surface_Area	Max_Feret_Diameter	0.52018273	0	B_I	
	Surface_Area	Max_Feret_Diameter	0.67970234	0	B_NI	
	Surface_Area	Max_Feret_Diameter	0.68499994	0	NB_I	
	Surface_Area	Max_Feret_Diameter	0.74007779	0	NB_NI	*
75	Surface_Area	Roundness_.	-0.4671117	0	B_I	
	Surface_Area	Roundness_.	-0.5517236	0	B_NI	
	Surface_Area	Roundness_.	-0.5386282	0	NB_I	
	Surface_Area	Roundness_.	-0.5328427	0	NB_NI	*
76	Surface_Area	Sphericity_.	-0.777285	0	B_I	
	Surface_Area	Sphericity_.	-0.8453241	0	B_NI	
	Surface_Area	Sphericity_.	-0.823664	0	NB_I	
	Surface_Area	Sphericity_.	-0.7931702	0	NB_NI	*
77	Surface_Area	Volume	0.7590819	0	B_I	
	Surface_Area	Volume	0.8433035	0	B_NI	
	Surface_Area	Volume	0.85335535	0	NB_I	
	Surface_Area	Volume	0.89580256	0	NB_NI	*
78	Total_displacement	Convexity_.	-0.0779463	0.02719522	B_I	
	Total_displacement	Convexity_.	-0.0514118	0.05480088	B_NI	
	Total_displacement	Convexity_.	-0.1590166	2.90E-08	NB_I	
	Total_displacement	Convexity_.	0.04327767	0.09317581	NB_NI	NS
79	Total_displacement	Directionality	0.21773058	2.93E-14	B_I	
	Total_displacement	Directionality	0.18973792	2.00E-15	B_NI	
	Total_displacement	Directionality	0.25922379	0	NB_I	
	Total_displacement	Directionality	0.10096861	7.97E-06	NB_NI	*
80	Total_displacement	Ellipse_A	-0.0575848	0.10297351	B_I	
	Total_displacement	Ellipse_A	-0.0042724	0.87328544	B_NI	
	Total_displacement	Ellipse_A	0.01776043	0.53811077	NB_I	
	Total_displacement	Ellipse_A	-0.0261617	0.31030058	NB_NI	NS
81	Total_displacement	Ellipse_B	-0.0119404	0.73548189	B_I	
	Total_displacement	Ellipse_B	-0.0207344	0.43887765	B_NI	
	Total_displacement	Ellipse_B	0.00979237	0.73428012	NB_I	
	Total_displacement	Ellipse_B	-0.0301782	0.24182891	NB_NI	NS
82	Total_displacement	Ellipse_C	-0.0277892	0.43163589	B_I	
	Total_displacement	Ellipse_C	0.01994998	0.45639309	B_NI	
	Total_displacement	Ellipse_C	-0.0194272	0.50065298	NB_I	
	Total_displacement	Ellipse_C	-0.062091	0.01595668	NB_NI	*
83	Total_displacement	Elongation	-0.1472546	2.80E-05	B_I	
	Total_displacement	Elongation	0.041201	0.12388473	B_NI	
	Total_displacement	Elongation	0.07557487	0.00870624	NB_I	
	Total_displacement	Elongation	0.03666059	0.15502855	NB_NI	NS
84	Total_displacement	Flatness_Ratio	0.02159754	0.54111168	B_I	
	Total_displacement	Flatness_Ratio	-0.0245889	0.35860082	B_NI	
	Total_displacement	Flatness_Ratio	0.04956569	0.08558973	NB_I	
	Total_displacement	Flatness_Ratio	-0.0286974	0.2657213	NB_NI	NS
85	Total_displacement	Max_Feret_Diameter	-0.1732762	7.81E-07	B_I	
	Total_displacement	Max_Feret_Diameter	0.24498929	0	B_NI	
	Total_displacement	Max_Feret_Diameter	0.15587388	5.44E-08	NB_I	
	Total_displacement	Max_Feret_Diameter	0.05226362	0.04256967	NB_NI	*
86	Total_displacement	Roundness_.	0.01409196	0.69009576	B_I	
	Total_displacement	Roundness_.	-0.1372616	2.63E-07	B_NI	
	Total_displacement	Roundness_.	-0.1895765	3.32E-11	NB_I	
	Total_displacement	Roundness_.	-0.0313791	0.22359489	NB_NI	NS
87	Total_displacement	Sphericity_.	-0.0358027	0.3109196	B_I	

	Total_displacement	Sphericity_.	-0.1171309	1.15E-05	B_NI	
	Total_displacement	Sphericity_.	-0.0913832	0.00150235	NB_I	
	Total_displacement	Sphericity_.	-0.0813258	0.00158507	NB_NI	*
88	Total_displacement	Surface_Area	-0.0179103	0.61231032	B_I	
	Total_displacement	Surface_Area	0.17789288	2.17E-11	B_NI	
	Total_displacement	Surface_Area	0.03526543	0.22141501	NB_I	
	Total_displacement	Surface_Area	0.02297227	0.37300054	NB_NI	NS
89	Total_displacement	Total_distance	0.61494023	0	B_I	
	Total_displacement	Total_distance	0.57750356	0	B_NI	
	Total_displacement	Total_distance	0.64122641	0	NB_I	
	Total_displacement	Total_distance	0.50540245	0	NB_NI	*
90	Total_displacement	Volume	-0.0281307	0.42599627	B_I	
	Total_displacement	Volume	0.18230699	6.74E-12	B_NI	
	Total_displacement	Volume	0.01747338	0.54470074	NB_I	
	Total_displacement	Volume	-0.0337971	0.18990605	NB_NI	NS
91	Total_displacement	X_size	-0.1927982	3.66E-08	B_I	
	Total_displacement	X_size	0.24584679	0	B_NI	
	Total_displacement	X_size	0.14791402	2.53E-07	NB_I	
	Total_displacement	X_size	0.04367143	0.09023341	NB_NI	NS
92	Total_displacement	Y_size	0.02839779	0.42161416	B_I	
	Total_displacement	Y_size	0.06790353	0.01115702	B_NI	
	Total_displacement	Y_size	0.07471308	0.00950378	NB_I	
	Total_displacement	Y_size	0.00610689	0.81281443	NB_NI	NS
93	Total_displacement	Z_size	0.10011142	0.00451701	B_I	
	Total_displacement	Z_size	0.13354054	5.52E-07	B_NI	
	Total_displacement	Z_size	-0.0161326	0.57600095	NB_I	
	Total_displacement	Z_size	-0.0326828	0.20493617	NB_NI	NS
94	Total_distance	Convexity_.	-0.0254758	0.47096766	B_I	
	Total_distance	Convexity_.	-0.1603265	1.70E-09	B_NI	
	Total_distance	Convexity_.	-0.139061	1.27E-06	NB_I	
	Total_distance	Convexity_.	-0.0461281	0.07352332	NB_NI	NS
95	Total_distance	Directionality	-0.3796833	0	B_I	
	Total_distance	Directionality	-0.3663	0	B_NI	
	Total_distance	Directionality	-0.2940732	0	NB_I	
	Total_distance	Directionality	-0.481795	0	NB_NI	*
96	Total_distance	Ellipse_A	-0.0302802	0.39149008	B_I	
	Total_distance	Ellipse_A	0.00287256	0.91460525	B_NI	
	Total_distance	Ellipse_A	0.01351303	0.63948504	NB_I	
	Total_distance	Ellipse_A	-0.008606	0.73860409	NB_NI	NS
97	Total_distance	Ellipse_B	0.05031779	0.15428749	B_I	
	Total_distance	Ellipse_B	-0.0212183	0.42826825	B_NI	
	Total_distance	Ellipse_B	-0.0104349	0.7175686	NB_I	
	Total_distance	Ellipse_B	-0.032192	0.21182355	NB_NI	NS
98	Total_distance	Ellipse_C	0.00915713	0.79556656	B_I	
	Total_distance	Ellipse_C	0.01931446	0.4708673	B_NI	
	Total_distance	Ellipse_C	-0.0364883	0.20579858	NB_I	
	Total_distance	Ellipse_C	0.0276357	0.28381943	NB_NI	NS
99	Total_distance	Elongation	0.00736406	0.83495176	B_I	
	Total_distance	Elongation	0.01305722	0.62594533	B_NI	
	Total_distance	Elongation	0.11781207	4.17E-05	NB_I	
	Total_distance	Elongation	0.06565519	0.01081782	NB_NI	*
100	Total_distance	Flatness_Ratio	0.04180372	0.23670037	B_I	
	Total_distance	Flatness_Ratio	-0.0169018	0.52805134	B_NI	
	Total_distance	Flatness_Ratio	0.01406754	0.62580299	NB_I	
	Total_distance	Flatness_Ratio	-0.0479242	0.06298032	NB_NI	NS
101	Total_distance	Max_Feret_Diameter	-0.1215815	0.00055493	B_I	
	Total_distance	Max_Feret_Diameter	0.18301138	5.58E-12	B_NI	
	Total_distance	Max_Feret_Diameter	0.22036779	1.04E-14	NB_I	

	Total_distance	Max_Feret_Diameter	0.08423042	0.00106846	NB_NI	*
102	Total_distance	Roundness_.	0.05799698	0.10052833	B_I	
	Total_distance	Roundness_.	-0.0737547	0.00583358	B_NI	
	Total_distance	Roundness_.	-0.1913467	2.16E-11	NB_I	
	Total_distance	Roundness_.	-0.037371	0.14717915	NB_NI	NS
103	Total_distance	Sphericity_.	0.04881756	0.16696411	B_I	
	Total_distance	Sphericity_.	-0.1587417	2.47E-09	B_NI	
	Total_distance	Sphericity_.	-0.1627079	1.36E-08	NB_I	
	Total_distance	Sphericity_.	-0.124466	1.27E-06	NB_NI	*
104	Total_distance	Surface_Area	-0.145172	3.64E-05	B_I	
	Total_distance	Surface_Area	0.20524755	9.55E-15	B_NI	
	Total_distance	Surface_Area	0.07831734	0.00655065	NB_I	
	Total_distance	Surface_Area	0.13605763	1.16E-07	NB_NI	*
105	Total_distance	Volume	-0.1652571	2.50E-06	B_I	
	Total_distance	Volume	0.12121696	5.58E-06	B_NI	
	Total_distance	Volume	0.0063814	0.82493793	NB_I	
	Total_distance	Volume	0.11180627	1.37E-05	NB_NI	*
106	Total_distance	X_size	-0.1311588	0.00019377	B_I	
	Total_distance	X_size	0.18639854	2.22E-12	B_NI	
	Total_distance	X_size	0.22064883	9.77E-15	NB_I	
	Total_distance	X_size	0.06521327	0.0113628	NB_NI	*
107	Total_distance	Y_size	0.01422558	0.68731137	B_I	
	Total_distance	Y_size	0.03197831	0.23246097	B_NI	
	Total_distance	Y_size	0.052989	0.0660578	NB_I	
	Total_distance	Y_size	0.07147203	0.00552227	NB_NI	*
107	Total_distance	Z_size	-0.0798675	0.02361615	B_I	
	Total_distance	Z_size	0.17265293	8.36E-11	B_NI	
	Total_distance	Z_size	0.04435681	0.12397961	NB_I	
	Total_distance	Z_size	0.07377354	0.00417705	NB_NI	*
108	Volume	Convexity_.	-0.3963951	0	B_I	
	Volume	Convexity_.	-0.6717472	0	B_NI	
	Volume	Convexity_.	-0.6076085	0	NB_I	
	Volume	Convexity_.	-0.65258	0	NB_NI	*
109	Volume	Ellipse_A	0.15105042	1.23E-05	B_I	
	Volume	Ellipse_A	0.0507524	0.05366871	B_NI	
	Volume	Ellipse_A	0.07057302	0.01098076	NB_I	
	Volume	Ellipse_A	0.07062133	0.00530544	NB_NI	*
110	Volume	Ellipse_B	0.01651026	0.63460281	B_I	
	Volume	Ellipse_B	0.00268462	0.91875819	B_NI	
	Volume	Ellipse_B	0.12622899	5.08E-06	NB_I	
	Volume	Ellipse_B	0.04991084	0.04894514	NB_NI	*
111	Volume	Ellipse_C	0.05942061	0.08692313	B_I	
	Volume	Ellipse_C	0.22103509	0	B_NI	
	Volume	Ellipse_C	0.13499029	1.06E-06	NB_I	
	Volume	Ellipse_C	0.21643096	0	NB_NI	*
112	Volume	Elongation	-0.055895	0.10737083	B_I	
	Volume	Elongation	0.00935244	0.72233572	B_NI	
	Volume	Elongation	-0.0550845	0.04723746	NB_I	
	Volume	Elongation	-0.0095717	0.70588016	NB_NI	NS
113	Volume	Flatness_Ratio	0.08040741	0.02043979	B_I	
	Volume	Flatness_Ratio	0.01436425	0.58522045	B_NI	
	Volume	Flatness_Ratio	0.23797901	0	NB_I	
	Volume	Flatness_Ratio	0.09820076	0.00010396	NB_NI	*
114	Volume	Max_Feret_Diameter	0.5585984	0	B_I	
	Volume	Max_Feret_Diameter	0.64901799	0	B_NI	
	Volume	Max_Feret_Diameter	0.58631051	0	NB_I	
	Volume	Max_Feret_Diameter	0.61614788	0	NB_NI	*
115	Volume	Roundness_.	-0.2391934	2.82E-12	B_I	

	Volume	Roundness_.	-0.4536803	0	B_NI	
	Volume	Roundness_.	-0.3938958	0	NB_I	
	Volume	Roundness_.	-0.3560166	0	NB_NI	*
116	Volume	Sphericity_.	-0.3001768	0	B_I	
	Volume	Sphericity_.	-0.6149626	0	B_NI	
	Volume	Sphericity_.	-0.510987	0	NB_I	
	Volume	Sphericity_.	-0.5172471	0	NB_NI	*
117	X_displacement	Convexity_.	-0.0837574	0.01759989	B_I	
	X_displacement	Convexity_.	-0.236919	0	B_NI	
	X_displacement	Convexity_.	-0.1003386	0.00048883	NB_I	
	X_displacement	Convexity_.	-0.0936075	0.00027517	NB_NI	*
118	X_displacement	Directionality	-0.0261706	0.36665617	B_I	
	X_displacement	Directionality	0.02572283	0.28605251	B_NI	
	X_displacement	Directionality	0.03516287	0.16016124	NB_I	
	X_displacement	Directionality	-0.0163508	0.47064427	NB_NI	NS
119	X_displacement	Ellipse_A	0.06786104	0.05457858	B_I	
	X_displacement	Ellipse_A	0.00104629	0.96884445	B_NI	
	X_displacement	Ellipse_A	0.01678389	0.56069113	NB_I	
	X_displacement	Ellipse_A	0.00736678	0.77514561	NB_NI	NS
120	X_displacement	Ellipse_B	0.00312547	0.92953525	B_I	
	X_displacement	Ellipse_B	0.00345122	0.89748964	B_NI	
	X_displacement	Ellipse_B	-0.0026917	0.92566278	NB_I	
	X_displacement	Ellipse_B	-0.0046457	0.85704541	NB_NI	NS
121	X_displacement	Ellipse_C	0.03303025	0.34989978	B_I	
	X_displacement	Ellipse_C	-0.0003776	0.98875246	B_NI	
	X_displacement	Ellipse_C	-0.0802092	0.00535689	NB_I	
	X_displacement	Ellipse_C	0.024284	0.34632021	NB_NI	NS
122	X_displacement	Elongation	0.0945793	0.00731929	B_I	
	X_displacement	Elongation	0.01858705	0.48774025	B_NI	
	X_displacement	Elongation	0.14753059	2.72E-07	NB_I	
	X_displacement	Elongation	0.02243534	0.38427863	NB_NI	NS
123	X_displacement	Flatness_Ratio	0.01219411	0.73007772	B_I	
	X_displacement	Flatness_Ratio	0.01616051	0.5463057	B_NI	
	X_displacement	Flatness_Ratio	0.021316	0.45993544	NB_I	
	X_displacement	Flatness_Ratio	0.00419098	0.87090733	NB_NI	NS
124	X_displacement	Instantaneous_Speed	0.72540057	0	B_I	
	X_displacement	Instantaneous_Speed	0.78461832	0	B_NI	
	X_displacement	Instantaneous_Speed	0.95762151	0	NB_I	
	X_displacement	Instantaneous_Speed	0.90243965	0	NB_NI	*
125	X_displacement	Max_Feret_Diameter	0.18432504	1.44E-07	B_I	
	X_displacement	Max_Feret_Diameter	0.3253879	0	B_NI	
	X_displacement	Max_Feret_Diameter	0.19727159	4.99E-12	NB_I	
	X_displacement	Max_Feret_Diameter	0.13599288	1.17E-07	NB_NI	*
126	X_displacement	Roundness_.	-0.1324708	0.00016681	B_I	
	X_displacement	Roundness_.	-0.1736825	6.44E-11	B_NI	
	X_displacement	Roundness_.	-0.1720588	1.87E-09	NB_I	
	X_displacement	Roundness_.	-0.0870849	0.00071661	NB_NI	*
127	X_displacement	Sphericity_.	-0.0675817	0.05558369	B_I	
	X_displacement	Sphericity_.	-0.2008429	3.60E-14	B_NI	
	X_displacement	Sphericity_.	-0.1262657	1.11E-05	NB_I	
	X_displacement	Sphericity_.	-0.0977061	0.00014608	NB_NI	*
128	X_displacement	Surface_Area	0.04204888	0.23395995	B_I	
	X_displacement	Surface_Area	0.25398767	0	B_NI	
	X_displacement	Surface_Area	0.06982786	0.01537692	NB_I	
	X_displacement	Surface_Area	0.10633887	3.55E-05	NB_NI	*
129	X_displacement	Total_displacement	0.0835858	0.00387877	B_I	
	X_displacement	Total_displacement	0.15292509	1.78E-10	B_NI	
	X_displacement	Total_displacement	0.24583839	0	NB_I	

	X_displacement	Total_displacement	0.20037277	0	NB_NI	*
130	X_displacement	Total_distance	0.20914097	3.01E-13	B_I	
	X_displacement	Total_distance	0.21328136	0	B_NI	
	X_displacement	Total_distance	0.30722967	0	NB_I	
	X_displacement	Total_distance	0.24764036	0	NB_NI	*
131	X_displacement	Volume	0.05022683	0.15503471	B_I	
	X_displacement	Volume	0.17506562	4.52E-11	B_NI	
	X_displacement	Volume	0.02408772	0.40368076	NB_I	
	X_displacement	Volume	0.09158213	0.00037287	NB_NI	*
132	X_displacement	X_size	0.19200042	4.17E-08	B_I	
	X_displacement	X_size	0.32821482	0	B_NI	
	X_displacement	X_size	0.21272305	8.70E-14	NB_I	
	X_displacement	X_size	0.13720129	9.03E-08	NB_NI	*
133	X_displacement	Y_displacement	0.3229531	0	B_I	
	X_displacement	Y_displacement	0.30260524	0	B_NI	
	X_displacement	Y_displacement	0.49484107	0	NB_I	
	X_displacement	Y_displacement	0.34156653	0	NB_NI	*
134	X_displacement	Y_size	-0.0076642	0.82832839	B_I	
	X_displacement	Y_size	0.076633	0.00417149	B_NI	
	X_displacement	Y_size	-0.0128318	0.65646117	NB_I	
	X_displacement	Y_size	0.03488667	0.17601019	NB_NI	NS
135	X_displacement	Z_displacement	0.16088536	2.33E-08	B_I	
	X_displacement	Z_displacement	0.20694508	0	B_NI	
	X_displacement	Z_displacement	0.34467441	0	NB_I	
	X_displacement	Z_displacement	0.25308207	0	NB_NI	*
136	X_displacement	Z_size	0.02145085	0.54386334	B_I	
	X_displacement	Z_size	0.16507801	5.47E-10	B_NI	
	X_displacement	Z_size	-0.0209539	0.4675947	NB_I	
	X_displacement	Z_size	0.02483697	0.33544627	NB_NI	NS
137	X_position	Convexity_.	0.0017165	0.96059473	B_I	
	X_position	Convexity_.	0.24172266	0	B_NI	
	X_position	Convexity_.	-0.0389264	0.1610315	NB_I	
	X_position	Convexity_.	0.14899302	3.48E-09	NB_NI	*
138	X_position	Directionality	0.01948434	0.50316748	B_I	
	X_position	Directionality	-0.1212391	4.87E-07	B_NI	
	X_position	Directionality	0.12803075	4.33E-07	NB_I	
	X_position	Directionality	-0.0147541	0.51820979	NB_NI	NS
139	X_position	Ellipse_A	0.07549246	0.02955104	B_I	
	X_position	Ellipse_A	-0.0126664	0.63033332	B_NI	
	X_position	Ellipse_A	-0.0036324	0.89597871	NB_I	
	X_position	Ellipse_A	-0.0718761	0.00454626	NB_NI	*
140	X_position	Ellipse_B	-0.0305823	0.3786017	B_I	
	X_position	Ellipse_B	0.00735419	0.77992668	B_NI	
	X_position	Ellipse_B	0.01394243	0.61576951	NB_I	
	X_position	Ellipse_B	0.0225563	0.37376461	NB_NI	NS
141	X_position	Ellipse_C	-0.0331577	0.33974763	B_I	
	X_position	Ellipse_C	0.01884022	0.47407285	B_NI	
	X_position	Ellipse_C	-0.0192888	0.48747631	NB_I	
	X_position	Ellipse_C	-0.0159599	0.52915765	NB_NI	NS
142	X_position	Elongation	-0.0205241	0.55463965	B_I	
	X_position	Elongation	0.00185482	0.94381862	B_NI	
	X_position	Elongation	-0.0717503	0.00971407	NB_I	
	X_position	Elongation	-0.0651978	0.01007329	NB_NI	*
143	X_position	Flatness_Ratio	0.00114909	0.97361472	B_I	
	X_position	Flatness_Ratio	-0.002263	0.93148362	B_NI	
	X_position	Flatness_Ratio	0.14911965	6.76E-08	NB_I	
	X_position	Flatness_Ratio	-0.0176858	0.48557936	NB_NI	NS
144	X_position	Instantaneous_Speed	0.04506248	0.12136685	B_I	

	X_position	Instantaneous_Speed	0.03938207	0.10332845	B_NI	
	X_position	Instantaneous_Speed	0.03406261	0.18041222	NB_I	
	X_position	Instantaneous_Speed	0.09509934	3.00E-05	NB_NI	*
145	X_position	Max_Feret_Diameter	0.06599186	0.05722848	B_I	
	X_position	Max_Feret_Diameter	-0.1333242	3.62E-07	B_NI	
	X_position	Max_Feret_Diameter	0.12144617	1.15E-05	NB_I	
	X_position	Max_Feret_Diameter	-0.0499802	0.04863134	NB_NI	*
	X_position	Roundness_.	-0.1035516	0.00280229	B_I	
146	X_position	Roundness_.	0.12667029	1.35E-06	B_NI	
	X_position	Roundness_.	-0.1066232	0.00011876	NB_I	
	X_position	Roundness_.	-0.0587047	0.02052783	NB_NI	*
	X_position	Sphericity_.	-0.0333858	0.33643444	B_I	
147	X_position	Sphericity_.	0.19262892	1.49E-13	B_NI	
	X_position	Sphericity_.	0.02583753	0.35230544	NB_I	
	X_position	Sphericity_.	-0.0278392	0.27227668	NB_NI	NS
148	X_position	Surface_Area	0.0443208	0.20183435	B_I	
	X_position	Surface_Area	-0.1798748	5.57E-12	B_NI	
	X_position	Surface_Area	0.05581634	0.04437107	NB_I	
	X_position	Surface_Area	-0.0027638	0.91322746	NB_NI	NS
149	X_position	Total_displacement	0.0206707	0.47752534	B_I	
	X_position	Total_displacement	-0.0301246	0.2128312	B_NI	
	X_position	Total_displacement	0.07201315	0.00458654	NB_I	
	X_position	Total_displacement	0.13246025	5.68E-09	NB_NI	*
150	X_position	Total_distance	0.0863812	0.00294444	B_I	
	X_position	Total_distance	0.00446414	0.85356201	B_NI	
	X_position	Total_distance	0.07270502	0.00420937	NB_I	
	X_position	Total_distance	0.11005192	1.34E-06	NB_NI	*
151	X_position	Volume	0.0427515	0.21828237	B_I	
	X_position	Volume	-0.1345281	2.83E-07	B_NI	
	X_position	Volume	0.09962392	0.00032475	NB_I	
	X_position	Volume	-0.0007061	0.97778961	NB_NI	NS
	X_position	X_displacement	0.06432801	0.02693214	B_I	
152	X_position	X_displacement	0.01664795	0.49121643	B_NI	
	X_position	X_displacement	0.00213749	0.93303172	NB_I	
	X_position	X_displacement	0.06167749	0.00686369	NB_NI	*
153	X_position	X_size	0.08198252	0.01809159	B_I	
	X_position	X_size	-0.1391735	1.08E-07	B_NI	
	X_position	X_size	0.10176107	0.00024045	NB_I	
	X_position	X_size	-0.0459238	0.07004771	NB_NI	NS
154	X_position	Y_displacement	0.0740719	0.01081892	B_I	
	X_position	Y_displacement	0.00808356	0.73820666	B_NI	
	X_position	Y_displacement	0.03349605	0.18777332	NB_I	
	X_position	Y_displacement	-0.0193796	0.39604895	NB_NI	NS
155	X_position	Y_position	0.83897406	0	B_I	
	X_position	Y_position	-0.7357979	0	B_NI	
	X_position	Y_position	0.61870921	0	NB_I	
	X_position	Y_position	-0.8159056	0	NB_NI	*
156	X_position	Y_size	-0.0269652	0.43757332	B_I	
	X_position	Y_size	-0.0773162	0.00326193	B_NI	
	X_position	Y_size	0.07826997	0.0047799	NB_I	
	X_position	Y_size	-0.1799357	8.50E-13	NB_NI	*
157	X_position	Z_displacement	-0.0113994	0.69529587	B_I	
	X_position	Z_displacement	0.04928207	0.04146398	B_NI	
	X_position	Z_displacement	0.12368532	1.05E-06	NB_I	
	X_position	Z_displacement	0.13205031	6.33E-09	NB_NI	*
158	X_position	Z_position	0.51612884	0	B_I	
	X_position	Z_position	0.49193862	0	B_NI	
	X_position	Z_position	0.0371339	0.12883665	NB_I	

	X_position	Z_position	0.47213495	0	NB_NI	*
159	X_position	Z_size	0.03177905	0.36021831	B_I	
	X_position	Z_size	-0.0329464	0.21053777	B_NI	
	X_position	Z_size	0.01583759	0.56862412	NB_I	
	X_position	Z_size	0.25742665	0	NB_NI	*
160	X_size	Convexity_.	-0.3825619	0	B_I	
	X_size	Convexity_.	-0.5569238	0	B_NI	
	X_size	Convexity_.	-0.6121866	0	NB_I	
	X_size	Convexity_.	-0.5538925	0	NB_NI	*
161	X_size	Ellipse_A	0.25427777	9.95E-14	B_I	
	X_size	Ellipse_A	0.04948191	0.05995296	B_NI	
	X_size	Ellipse_A	0.10129439	0.00025688	NB_I	
	X_size	Ellipse_A	0.12858112	3.57E-07	NB_NI	*
162	X_size	Ellipse_B	0.0907517	0.00885581	B_I	
	X_size	Ellipse_B	0.00679059	0.79640628	B_NI	
	X_size	Ellipse_B	0.11066882	6.45E-05	NB_I	
	X_size	Ellipse_B	0.03719821	0.1423415	NB_NI	NS
	X_size	Ellipse_C	-0.0333953	0.3362976	B_I	
163	X_size	Ellipse_C	-0.0629407	0.01667903	B_NI	
	X_size	Ellipse_C	-0.0244279	0.37920214	NB_I	
	X_size	Ellipse_C	0.02905183	0.25193061	NB_NI	NS
	X_size	Elongation	0.31479287	0	B_I	
164	X_size	Elongation	0.09758563	0.00020201	B_NI	
	X_size	Elongation	0.24878742	0	NB_I	
	X_size	Elongation	0.18992326	4.13E-14	NB_NI	*
	X_size	Flatness_Ratio	0.15256858	9.99E-06	B_I	
165	X_size	Flatness_Ratio	0.0375882	0.15311662	B_NI	
	X_size	Flatness_Ratio	0.26999488	0	NB_I	
	X_size	Flatness_Ratio	0.12684309	5.13E-07	NB_NI	*
166	X_size	Max_Feret_Diameter	0.98184139	0	B_I	
	X_size	Max_Feret_Diameter	0.98242795	0	B_NI	
	X_size	Max_Feret_Diameter	0.97633493	0	NB_I	
	X_size	Max_Feret_Diameter	0.99104005	0	NB_NI	*
167	X_size	Roundness_.	-0.5832303	0	B_I	
	X_size	Roundness_.	-0.6230311	0	B_NI	
	X_size	Roundness_.	-0.6831214	0	NB_I	
	X_size	Roundness_.	-0.6392599	0	NB_NI	*
168	X_size	Sphericity_.	-0.4226823	0	B_I	
	X_size	Sphericity_.	-0.6153148	0	B_NI	
	X_size	Sphericity_.	-0.6493569	0	NB_I	
	X_size	Sphericity_.	-0.6678365	0	NB_NI	*
169	X_size	Surface_Area	0.52985263	0	B_I	
	X_size	Surface_Area	0.66473925	0	B_NI	
	X_size	Surface_Area	0.67218614	0	NB_I	
	X_size	Surface_Area	0.72532225	0	NB_NI	*
170	X_size	Volume	0.56276989	0	B_I	
	X_size	Volume	0.59567428	0	B_NI	
	X_size	Volume	0.55646795	0	NB_I	
	X_size	Volume	0.59545761	0	NB_NI	*
171	X_size	Y_size	0.26347646	1.15E-14	B_I	
	X_size	Y_size	0.19329596	1.23E-13	B_NI	
	X_size	Y_size	0.22320573	4.44E-16	NB_I	
	X_size	Y_size	0.20940618	0	NB_NI	*
172	X_size	Z_size	0.28425169	0	B_I	
	X_size	Z_size	0.42753845	0	B_NI	
	X_size	Z_size	0.20247044	1.79E-13	NB_I	
	X_size	Z_size	0.43547565	0	NB_NI	*
173	Y_displacement	Convexity_.	-0.1447994	3.81E-05	B_I	

	Y_displacement	Convexity_.	-0.0855964	0.00136876	B_NI	
	Y_displacement	Convexity_.	-0.097208	0.00073151	NB_I	
	Y_displacement	Convexity_.	-0.0947316	0.00023187	NB_NI	*
174	Y_displacement	Directionality	0.12689258	1.11E-05	B_I	
	Y_displacement	Directionality	0.0440213	0.06780354	B_NI	
	Y_displacement	Directionality	0.07915965	0.001546	NB_I	
	Y_displacement	Directionality	-0.0212038	0.3494793	NB_NI	NS
175	Y_displacement	Ellipse_A	0.01847497	0.60114194	B_I	
	Y_displacement	Ellipse_A	0.02572329	0.33685425	B_NI	
	Y_displacement	Ellipse_A	0.010953	0.70418936	NB_I	
	Y_displacement	Ellipse_A	-0.0093564	0.71675229	NB_NI	NS
176	Y_displacement	Ellipse_B	-0.0102809	0.77113838	B_I	
	Y_displacement	Ellipse_B	0.00583325	0.82762028	B_NI	
	Y_displacement	Ellipse_B	0.07450783	0.00970308	NB_I	
	Y_displacement	Ellipse_B	-0.0138178	0.59208887	NB_NI	NS
177	Y_displacement	Ellipse_C	0.03113598	0.37823805	B_I	
	Y_displacement	Ellipse_C	0.07214165	0.00700652	B_NI	
	Y_displacement	Ellipse_C	0.03446079	0.23214262	NB_I	
	Y_displacement	Ellipse_C	0.04960655	0.05426959	NB_NI	NS
180	Y_displacement	Elongation	-0.0449796	0.20292674	B_I	
	Y_displacement	Elongation	0.04386621	0.10135972	B_NI	
	Y_displacement	Elongation	0.03822243	0.18504667	NB_I	
	Y_displacement	Elongation	0.00216536	0.93308681	NB_NI	NS
181	Y_displacement	Flatness_Ratio	0.01449951	0.6816169	B_I	
	Y_displacement	Flatness_Ratio	0.00109007	0.9675415	B_NI	
	Y_displacement	Flatness_Ratio	0.03807391	0.18676101	NB_I	
182	Y_displacement	Flatness_Ratio	-0.0140726	0.58527801	NB_NI	NS
	Y_displacement	Instantaneous_Speed	0.52149123	0	B_I	
	Y_displacement	Instantaneous_Speed	0.52632517	0	B_NI	
	Y_displacement	Instantaneous_Speed	0.64084816	0	NB_I	
	Y_displacement	Instantaneous_Speed	0.5198853	0	NB_NI	*
183	Y_displacement	Max_Feret_Diameter	-0.0145342	0.68089772	B_I	
	Y_displacement	Max_Feret_Diameter	0.05763865	0.03128578	B_NI	
	Y_displacement	Max_Feret_Diameter	0.0812816	0.00477092	NB_I	
	Y_displacement	Max_Feret_Diameter	0.04202956	0.10301351	NB_NI	NS
184	Y_displacement	Roundness_.	-0.0704451	0.04597843	B_I	
	Y_displacement	Roundness_.	-0.0519675	0.05222942	B_NI	
	Y_displacement	Roundness_.	-0.1010589	0.00044481	NB_I	
	Y_displacement	Roundness_.	0.00543596	0.83305823	NB_NI	NS
185	Y_displacement	Sphericity_.	-0.0379563	0.28269351	B_I	
	Y_displacement	Sphericity_.	-0.0380872	0.15494058	B_NI	
	Y_displacement	Sphericity_.	-0.0249217	0.38759611	NB_I	
	Y_displacement	Sphericity_.	0.0226771	0.37917493	NB_NI	NS
186	Y_displacement	Surface_Area	0.01307839	0.71134968	B_I	
	Y_displacement	Surface_Area	0.09155026	0.00061541	B_NI	
	Y_displacement	Surface_Area	0.04236401	0.14180323	NB_I	
	Y_displacement	Surface_Area	0.04346826	0.09174215	NB_NI	NS
187	Y_displacement	Total_displacement	0.1747483	1.25E-09	B_I	
	Y_displacement	Total_displacement	0.09050405	0.00016948	B_NI	
	Y_displacement	Total_displacement	0.20429765	0	NB_I	
	Y_displacement	Total_displacement	0.12415544	3.82E-08	NB_NI	*
188	Y_displacement	Total_distance	0.15025945	1.87E-07	B_I	
	Y_displacement	Total_distance	0.10816073	6.85E-06	B_NI	
	Y_displacement	Total_distance	0.20753777	0	NB_I	
	Y_displacement	Total_distance	0.16951357	4.93E-14	NB_NI	*
189	Y_displacement	Volume	-0.0009728	0.97804191	B_I	
	Y_displacement	Volume	0.06672499	0.01264559	B_NI	
	Y_displacement	Volume	0.07537606	0.00888474	NB_I	

	Y_displacement	Volume	0.0681618	0.00814375	NB_NI	*
190	Y_displacement	X_size	-0.0264605	0.45398938	B_I	
	Y_displacement	X_size	0.0405003	0.13041149	B_NI	
	Y_displacement	X_size	0.05782078	0.04486688	NB_I	
	Y_displacement	X_size	0.01813021	0.48202057	NB_NI	NS
191	Y_displacement	Y_size	0.14841919	2.41E-05	B_I	
	Y_displacement	Y_size	0.14487532	5.42E-08	B_NI	
	Y_displacement	Y_size	0.14727399	2.85E-07	NB_I	
	Y_displacement	Y_size	0.22137728	0	NB_NI	*
192	Y_displacement	Z_displacement	0.28781745	0	B_I	
	Y_displacement	Z_displacement	0.2637693	0	B_NI	
	Y_displacement	Z_displacement	0.3762632	0	NB_I	
	Y_displacement	Z_displacement	0.21129616	0	NB_NI	*
193	Y_displacement	Z_size	-0.0023125	0.94783318	B_I	
	Y_displacement	Z_size	-0.0050837	0.84948691	B_NI	
	Y_displacement	Z_size	0.04350531	0.13136931	NB_I	
	Y_displacement	Z_size	-0.0362407	0.15981511	NB_NI	NS
194	Y_position	Convexity_.	-0.0090399	0.79470439	B_I	
	Y_position	Convexity_.	-0.1557122	2.64E-09	B_NI	
	Y_position	Convexity_.	0.11761916	2.15E-05	NB_I	
	Y_position	Convexity_.	-0.2700889	0	NB_NI	*
195	Y_position	Directionality	0.05303368	0.06823738	B_I	
	Y_position	Directionality	0.06001198	0.01300984	B_NI	
	Y_position	Directionality	-0.0075893	0.76542866	NB_I	
	Y_position	Directionality	-0.0081496	0.72118889	NB_NI	NS
196	Y_position	Ellipse_A	0.08635417	0.01276555	B_I	
	Y_position	Ellipse_A	0.08525268	0.00117471	B_NI	
	Y_position	Ellipse_A	-0.0369336	0.18358235	NB_I	
	Y_position	Ellipse_A	0.07503712	0.00304976	NB_NI	*
197	Y_position	Ellipse_B	-0.0290521	0.4029285	B_I	
	Y_position	Ellipse_B	0.03237888	0.2185073	B_NI	
	Y_position	Ellipse_B	0.01766566	0.52484774	NB_I	
	Y_position	Ellipse_B	-0.0096262	0.70428518	NB_NI	NS
198	Y_position	Ellipse_C	-0.0319521	0.35760668	B_I	
	Y_position	Ellipse_C	0.06309033	0.0164216	B_NI	
	Y_position	Ellipse_C	0.01991862	0.47337223	NB_I	
	Y_position	Ellipse_C	0.01906374	0.45223322	NB_NI	NS
199	Y_position	Elongation	-0.085705	0.01345651	B_I	
	Y_position	Elongation	0.10925072	3.14E-05	B_NI	
	Y_position	Elongation	-0.1827433	3.28E-11	NB_I	
	Y_position	Elongation	0.08434518	0.00086402	NB_NI	*
200	Y_position	Flatness_Ratio	0.0255332	0.46230332	B_I	
	Y_position	Flatness_Ratio	0.03683439	0.16153143	B_NI	
	Y_position	Flatness_Ratio	0.10855383	8.90E-05	NB_I	
	Y_position	Flatness_Ratio	0.03068462	0.22624353	NB_NI	NS
201	Y_position	Instantaneous_Speed	0.0432588	0.13701492	B_I	
	Y_position	Instantaneous_Speed	-0.0180839	0.45460401	B_NI	
	Y_position	Instantaneous_Speed	-0.0022828	0.92849196	NB_I	
	Y_position	Instantaneous_Speed	-0.0561249	0.01390897	NB_NI	*
202	Y_position	Max_Feret_Diameter	-0.0149821	0.66627651	B_I	
	Y_position	Max_Feret_Diameter	0.10997219	2.78E-05	B_NI	
	Y_position	Max_Feret_Diameter	-0.1792944	7.71E-11	NB_I	
	Y_position	Max_Feret_Diameter	0.16270266	1.06E-10	NB_NI	*
203	Y_position	Roundness_.	-0.0628714	0.0700694	B_I	
	Y_position	Roundness_.	-0.0694854	0.00821307	B_NI	
	Y_position	Roundness_.	0.17548664	1.94E-10	NB_I	
	Y_position	Roundness_.	-0.0586325	0.02068394	NB_NI	*
204	Y_position	Sphericity_.	-0.1009857	0.00356609	B_I	

	Y_position	Sphericity_.	-0.0202206	0.44229151	B_NI	
	Y_position	Sphericity_.	0.18472792	1.99E-11	NB_I	
	Y_position	Sphericity_.	-0.025589	0.31294254	NB_NI	NS
205	Y_position	Surface_Area	0.13203648	0.00013496	B_I	
	Y_position	Surface_Area	0.07632051	0.0036853	B_NI	
	Y_position	Surface_Area	-0.0315067	0.2566665	NB_I	
	Y_position	Surface_Area	0.12202046	1.37E-06	NB_NI	*
206	Y_position	Total_displacement	0.07783048	0.00740202	B_I	
	Y_position	Total_displacement	0.00473258	0.8448646	B_NI	
	Y_position	Total_displacement	-0.0421126	0.09766057	NB_I	
	Y_position	Total_displacement	-0.0901916	7.57E-05	NB_NI	*
207	Y_position	Total_distance	0.0614103	0.03469043	B_I	
	Y_position	Total_distance	0.02574391	0.28706297	B_NI	
	Y_position	Total_distance	0.0203432	0.42380812	NB_I	
	Y_position	Total_distance	-0.032504	0.15453259	NB_NI	NS
208	Y_position	Volume	0.09143674	0.00835412	B_I	
	Y_position	Volume	0.11481627	1.20E-05	B_NI	
	Y_position	Volume	0.07260011	0.00888225	NB_I	
	Y_position	Volume	0.15233234	1.53E-09	NB_NI	*
209	Y_position	X_displacement	0.04213508	0.14752272	B_I	
	Y_position	X_displacement	0.02289409	0.34378898	B_NI	
	Y_position	X_displacement	-0.0514841	0.04283343	NB_I	
	Y_position	X_displacement	-0.0330739	0.14742689	NB_NI	NS
210	Y_position	X_size	-0.0014483	0.96674755	B_I	
	Y_position	X_size	0.09052467	0.00056807	B_NI	
	Y_position	X_size	-0.139461	4.55E-07	NB_I	
	Y_position	X_size	0.14638963	6.51E-09	NB_NI	*
211	Y_position	Y_displacement	0.04239488	0.14504029	B_I	
	Y_position	Y_displacement	-0.00231	0.92391121	B_NI	
	Y_position	Y_displacement	0.04688012	0.06518241	NB_I	
	Y_position	Y_displacement	0.04048505	0.07613965	NB_NI	NS
212	Y_position	Y_size	-0.0403639	0.24511526	B_I	
	Y_position	Y_size	0.22867066	0	B_NI	
	Y_position	Y_size	-0.1855625	1.61E-11	NB_I	
	Y_position	Y_size	0.30785042	0	NB_NI	*
213	Y_position	Z_displacement	0.01568198	0.58999663	B_I	
	Y_position	Z_displacement	-0.0573159	0.01770453	B_NI	
	Y_position	Z_displacement	0.16456009	7.33E-11	NB_I	
	Y_position	Z_displacement	-0.108559	1.86E-06	NB_NI	*
214	Y_position	Z_position	0.58845812	0	B_I	
	Y_position	Z_position	-0.435741	0	B_NI	
	Y_position	Z_position	0.42776811	0	NB_I	
	Y_position	Z_position	-0.5887895	0	NB_NI	*
215	Y_position	Z_size	0.14932591	1.54E-05	B_I	
	Y_position	Z_size	-0.1097955	2.86E-05	B_NI	
	Y_position	Z_size	0.22519164	2.22E-16	NB_I	
	Y_position	Z_size	-0.2251239	0	NB_NI	*
216	Y_size	Convexity_.	-0.3643106	0	B_I	
	Y_size	Convexity_.	-0.5488325	0	B_NI	
	Y_size	Convexity_.	-0.4267379	0	NB_I	
	Y_size	Convexity_.	-0.6358825	0	NB_NI	*
217	Y_size	Ellipse_A	0.09002703	0.0094156	B_I	
	Y_size	Ellipse_A	0.07844363	0.00283632	B_NI	
	Y_size	Ellipse_A	-0.003166	0.90927412	NB_I	
	Y_size	Ellipse_A	0.06383684	0.01175301	NB_NI	*
218	Y_size	Ellipse_B	0.09391559	0.00674404	B_I	
	Y_size	Ellipse_B	0.03893462	0.13892113	B_NI	
	Y_size	Ellipse_B	0.09798172	0.00040751	NB_I	

	Y_size	Ellipse_B	0.02956524	0.2436436	NB_NI	NS
219	Y_size	Ellipse_C	0.12637667	0.00025996	B_I	
	Y_size	Ellipse_C	0.26454815	0	B_NI	
	Y_size	Ellipse_C	0.06165793	0.02632584	NB_I	
	Y_size	Ellipse_C	0.18170646	5.03E-13	NB_NI	*
220	Y_size	Elongation	0.02406265	0.48849044	B_I	
	Y_size	Elongation	0.10789913	3.93E-05	B_NI	
	Y_size	Elongation	-0.0846335	0.00227554	NB_I	
	Y_size	Elongation	0.03444101	0.17436414	NB_NI	NS
221	Y_size	Flatness_Ratio	0.11258338	0.00115038	B_I	
	Y_size	Flatness_Ratio	0.03643921	0.16607997	B_NI	
	Y_size	Flatness_Ratio	0.08832963	0.00144513	NB_I	
	Y_size	Flatness_Ratio	0.06831978	0.00700081	NB_NI	*
222	Y_size	Max_Feret_Diameter	0.39248237	0	B_I	
	Y_size	Max_Feret_Diameter	0.33096346	0	B_NI	
	Y_size	Max_Feret_Diameter	0.396231	0	NB_I	
	Y_size	Max_Feret_Diameter	0.30214635	0	NB_NI	*
223	Y_size	Roundness_.	-0.0703514	0.04261296	B_I	
	Y_size	Roundness_.	-0.302013	0	B_NI	
	Y_size	Roundness_.	-0.3047717	0	NB_I	
	Y_size	Roundness_.	-0.1679076	2.60E-11	NB_NI	*
224	Y_size	Sphericity_.	-0.0185265	0.59382211	B_I	
	Y_size	Sphericity_.	-0.3087258	0	B_NI	
	Y_size	Sphericity_.	-0.1919978	3.05E-12	NB_I	
	Y_size	Sphericity_.	-0.1727445	6.77E-12	NB_NI	*
225	Y_size	Surface_Area	0.18916206	3.92E-08	B_I	
	Y_size	Surface_Area	0.47028765	0	B_NI	
	Y_size	Surface_Area	0.34576344	0	NB_I	
	Y_size	Surface_Area	0.41947472	0	NB_NI	*
226	Y_size	Volume	0.3265523	0	B_I	
	Y_size	Volume	0.62389576	0	B_NI	
	Y_size	Volume	0.47104338	0	NB_I	
	Y_size	Volume	0.4974491	0	NB_NI	*
227	Y_size	Z_size	0.06965223	0.04471926	B_I	
	Y_size	Z_size	0.2160597	0	B_NI	
	Y_size	Z_size	0.01259492	0.65029851	NB_I	
	Y_size	Z_size	0.18757248	8.53E-14	NB_NI	*
228	Z_displacement	Convexity_.	-0.0898156	0.0108868	B_I	
	Z_displacement	Convexity_.	-0.0476061	0.07538324	B_NI	
	Z_displacement	Convexity_.	-0.0894107	0.0019	NB_I	
	Z_displacement	Convexity_.	-0.0385375	0.13495465	NB_NI	NS
229	Z_displacement	Directionality	0.09198988	0.00147583	B_I	
	Z_displacement	Directionality	0.06169264	0.01044798	B_NI	
	Z_displacement	Directionality	0.0459391	0.06645057	NB_I	
	Z_displacement	Directionality	0.0170577	0.45167472	NB_NI	NS
230	Z_displacement	Ellipse_A	-0.013493	0.70262764	B_I	
	Z_displacement	Ellipse_A	-0.0165861	0.53578751	B_NI	
	Z_displacement	Ellipse_A	0.05958635	0.03870982	NB_I	
	Z_displacement	Ellipse_A	-0.0099678	0.69911752	NB_NI	NS
231	Z_displacement	Ellipse_B	-0.0188742	0.59330108	B_I	
	Z_displacement	Ellipse_B	-0.0050193	0.85136937	B_NI	
	Z_displacement	Ellipse_B	0.00424632	0.88298246	NB_I	
	Z_displacement	Ellipse_B	0.0049412	0.84805863	NB_NI	NS
232	Z_displacement	Ellipse_C	-0.0485556	0.16925533	B_I	
	Z_displacement	Ellipse_C	-0.0004599	0.98630304	B_NI	
	Z_displacement	Ellipse_C	-0.005771	0.84144804	NB_I	
	Z_displacement	Ellipse_C	0.0464601	0.07147255	NB_NI	NS
233	Z_displacement	Elongation	-0.0692301	0.04986862	B_I	

	Z_displacement	Elongation	-0.0273432	0.30730133	B_NI	
	Z_displacement	Elongation	0.00828311	0.77402081	NB_I	
	Z_displacement	Elongation	-0.0249036	0.33415011	NB_NI	NS
234	Z_displacement	Flatness_Ratio	0.00366485	0.91741517	B_I	
	Z_displacement	Flatness_Ratio	-0.00381	0.88690232	B_NI	
	Z_displacement	Flatness_Ratio	0.07493181	0.00929543	NB_I	
	Z_displacement	Flatness_Ratio	-0.0007769	0.97596719	NB_NI	NS
235	Z_displacement	Instantaneous_Speed	0.76406467	0	B_I	
	Z_displacement	Instantaneous_Speed	0.71656597	0	B_NI	
	Z_displacement	Instantaneous_Speed	0.54354805	0	NB_I	
	Z_displacement	Instantaneous_Speed	0.58212286	0	NB_NI	*
236	Z_displacement	Max_Feret_Diameter	-0.0107798	0.76036498	B_I	
	Z_displacement	Max_Feret_Diameter	0.01485513	0.57919087	B_NI	
	Z_displacement	Max_Feret_Diameter	0.0603302	0.03633915	NB_I	
	Z_displacement	Max_Feret_Diameter	0.02520291	0.32837217	NB_NI	NS
237	Z_displacement	Roundness_.	-0.0456222	0.19654223	B_I	
	Z_displacement	Roundness_.	-0.0619545	0.02061504	B_NI	
	Z_displacement	Roundness_.	-0.0852019	0.00308935	NB_I	
	Z_displacement	Roundness_.	-0.0033425	0.89687854	NB_NI	NS
238	Z_displacement	Sphericity_.	-0.0275043	0.43637414	B_I	
	Z_displacement	Sphericity_.	-0.0347377	0.19458451	B_NI	
	Z_displacement	Sphericity_.	-0.0418702	0.14650993	NB_I	
	Z_displacement	Sphericity_.	-0.026351	0.30680988	NB_NI	NS
239	Z_displacement	Surface_Area	0.00859762	0.80780557	B_I	
	Z_displacement	Surface_Area	0.02056029	0.44273153	B_NI	
	Z_displacement	Surface_Area	0.02568517	0.37321721	NB_I	
	Z_displacement	Surface_Area	0.05486646	0.03325008	NB_NI	*
240	Z_displacement	Total_displacement	0.36223918	0	B_I	
	Z_displacement	Total_displacement	0.19754413	0	B_NI	
	Z_displacement	Total_displacement	0.09809548	8.62E-05	NB_I	
	Z_displacement	Total_displacement	0.12118422	8.04E-08	NB_NI	*
241	Z_displacement	Total_distance	0.19473867	1.19E-11	B_I	
	Z_displacement	Total_distance	0.112863	2.67E-06	B_NI	
	Z_displacement	Total_distance	0.24061663	0	NB_I	
	Z_displacement	Total_distance	0.14763784	5.77E-11	NB_NI	*
242	Z_displacement	Volume	0.01434855	0.68475285	B_I	
	Z_displacement	Volume	0.02080246	0.43737608	B_NI	
	Z_displacement	Volume	0.02058515	0.47546737	NB_I	
	Z_displacement	Volume	0.06899006	0.00740012	NB_NI	*
243	Z_displacement	X_size	-0.0036861	0.91693758	B_I	
	Z_displacement	X_size	0.01332763	0.61881012	B_NI	
	Z_displacement	X_size	0.05210233	0.07072597	NB_I	
	Z_displacement	X_size	0.01323877	0.6077025	NB_NI	NS
244	Z_displacement	Y_size	0.00843623	0.81134475	B_I	
	Z_displacement	Y_size	0.00547013	0.83819777	B_NI	
	Z_displacement	Y_size	0.04386859	0.12817595	NB_I	
	Z_displacement	Y_size	0.04023715	0.11856449	NB_NI	NS
245	Z_displacement	Z_size	0.06398207	0.06996939	B_I	
	Z_displacement	Z_size	0.0929959	0.00050321	B_NI	
	Z_displacement	Z_size	0.1239402	1.61E-05	NB_I	
	Z_displacement	Z_size	0.10521815	4.29E-05	NB_NI	*
246	Z_position	Convexity_.	-0.104123	0.00265394	B_I	
	Z_position	Convexity_.	0.17853464	8.02E-12	B_NI	
	Z_position	Convexity_.	-0.0542645	0.05063202	NB_I	
	Z_position	Convexity_.	0.21044987	0	NB_NI	*
247	Z_position	Directionality	-0.0143231	0.62261821	B_I	
	Z_position	Directionality	0.02810295	0.24516364	B_NI	
	Z_position	Directionality	-0.143975	1.27E-08	NB_I	

	Z_position	Directionality	0.03219118	0.15854161	NB_NI	NS
248	Z_position	Ellipse_A	0.09299795	0.00730438	B_I	
	Z_position	Ellipse_A	-0.0405517	0.12323612	B_NI	
	Z_position	Ellipse_A	0.01316404	0.63561792	NB_I	
	Z_position	Ellipse_A	-0.0592184	0.0194462	NB_NI	*
249	Z_position	Ellipse_B	-0.0254337	0.46405013	B_I	
	Z_position	Ellipse_B	-0.0059074	0.82241166	B_NI	
	Z_position	Ellipse_B	-0.0063031	0.82052385	NB_I	
	Z_position	Ellipse_B	0.02321842	0.3598979	NB_NI	NS
250	Z_position	Ellipse_C	-0.0758459	0.02879548	B_I	
	Z_position	Ellipse_C	0.00801493	0.76073212	B_NI	
	Z_position	Ellipse_C	-0.0030909	0.91141573	NB_I	
	Z_position	Ellipse_C	0.01094496	0.66607483	NB_NI	NS
251	Z_position	Elongation	-0.0161578	0.6418508	B_I	
	Z_position	Elongation	-0.0357673	0.17403363	B_NI	
	Z_position	Elongation	-0.1127506	4.68E-05	NB_I	
	Z_position	Elongation	-0.0556735	0.02803824	NB_NI	*
252	Z_position	Flatness_Ratio	0.00896315	0.79640871	B_I	
	Z_position	Flatness_Ratio	-0.0070886	0.78768117	B_NI	
	Z_position	Flatness_Ratio	0.06834295	0.01378755	NB_I	
	Z_position	Flatness_Ratio	-0.0092488	0.71536507	NB_NI	NS
253	Z_position	Instantaneous_Speed	0.00200885	0.94497293	B_I	
	Z_position	Instantaneous_Speed	0.08923525	0.00021824	B_NI	
	Z_position	Instantaneous_Speed	-0.04001	0.11559438	NB_I	
	Z_position	Instantaneous_Speed	-0.0119224	0.60160636	NB_NI	NS
254	Z_position	Max_Feret_Diameter	0.00830997	0.81095398	B_I	
	Z_position	Max_Feret_Diameter	-0.0371277	0.15821706	B_NI	
	Z_position	Max_Feret_Diameter	-0.1623901	4.00E-09	NB_I	
	Z_position	Max_Feret_Diameter	-0.0345039	0.1735784	NB_NI	NS
255	Z_position	Roundness_.	-0.2280962	2.87E-11	B_I	
	Z_position	Roundness_.	0.04303877	0.10185046	B_NI	
	Z_position	Roundness_.	0.09884749	0.0003617	NB_I	
	Z_position	Roundness_.	-8.27E-05	0.9973993	NB_NI	NS
256	Z_position	Sphericity_.	-0.3983388	0	B_I	
	Z_position	Sphericity_.	-0.0356408	0.17556245	B_NI	
	Z_position	Sphericity_.	-0.2918854	0	NB_I	
	Z_position	Sphericity_.	-0.1598596	2.24E-10	NB_NI	*
257	Z_position	Surface_Area	0.26030105	2.44E-14	B_I	
	Z_position	Surface_Area	-0.0083421	0.7512819	B_NI	
	Z_position	Surface_Area	0.2312552	0	NB_I	
	Z_position	Surface_Area	0.03112429	0.21965746	NB_NI	NS
258	Z_position	Total_displacement	0.05033485	0.083537	B_I	
	Z_position	Total_displacement	0.23790011	0	B_NI	
	Z_position	Total_displacement	-0.2866096	0	NB_I	
	Z_position	Total_displacement	-0.0836011	0.00024517	NB_NI	*
259	Z_position	Total_distance	-0.0102209	0.72545129	B_I	
	Z_position	Total_distance	0.10609356	1.09E-05	B_NI	
	Z_position	Total_distance	-0.1781352	1.67E-12	NB_I	
	Z_position	Total_distance	-0.0796799	0.00047463	NB_NI	*
260	Z_position	Volume	-0.0492868	0.15574796	B_I	
	Z_position	Volume	-0.1379517	1.39E-07	B_NI	
	Z_position	Volume	0.07946566	0.00417348	NB_I	
	Z_position	Volume	-0.0448271	0.07701185	NB_NI	NS
261	Z_position	X_displacement	-0.0179786	0.53673039	B_I	
	Z_position	X_displacement	0.05741238	0.01751391	B_NI	
	Z_position	X_displacement	-0.047898	0.05955321	NB_I	
	Z_position	X_displacement	-0.0315565	0.16691613	NB_NI	NS
262	Z_position	X_size	0.02735097	0.43104252	B_I	

	Z_position	X_size	0.00355118	0.89267347	B_NI	
	Z_position	X_size	-0.1078543	9.89E-05	NB_I	
	Z_position	X_size	-0.020321	0.4229685	NB_NI	NS
263	Z_position	Y_displacement	-0.0441797	0.12884203	B_I	
	Z_position	Y_displacement	0.00881407	0.71553359	B_NI	
	Z_position	Y_displacement	-0.054363	0.03245637	NB_I	
	Z_position	Y_displacement	-0.1074427	2.38E-06	NB_NI	*
264	Z_position	Y_size	-0.2806962	0	B_I	
	Z_position	Y_size	-0.2963332	0	B_NI	
	Z_position	Y_size	-0.3568068	0	NB_I	
	Z_position	Y_size	-0.3283893	0	NB_NI	*
265	Z_position	Z_displacement	0.02875642	0.32304036	B_I	
	Z_position	Z_displacement	0.08010295	0.000909	B_NI	
	Z_position	Z_displacement	0.06038779	0.01749271	NB_I	
	Z_position	Z_displacement	0.07029294	0.00205691	NB_NI	*
266	Z_position	Z_size	0.18241729	1.19E-07	B_I	
	Z_position	Z_size	0.05190779	0.04844032	B_NI	
	Z_position	Z_size	0.46914664	0	NB_I	
	Z_position	Z_size	0.38170755	0	NB_NI	*
267	Z_size	Convexity_.	-0.5765371	0	B_I	
	Z_size	Convexity_.	-0.6411263	0	B_NI	
	Z_size	Convexity_.	-0.5395641	0	NB_I	
	Z_size	Convexity_.	-0.516305	0	NB_NI	*
268	Z_size	Ellipse_A	0.08065324	0.02005668	B_I	
	Z_size	Ellipse_A	0.02990956	0.25569677	B_NI	
	Z_size	Ellipse_A	0.08310807	0.002731	NB_I	
	Z_size	Ellipse_A	0.04867108	0.05484529	NB_NI	NS
269	Z_size	Ellipse_B	-0.0210209	0.5450958	B_I	
	Z_size	Ellipse_B	-0.0178057	0.49868961	B_NI	
	Z_size	Ellipse_B	0.11762238	2.15E-05	NB_I	
	Z_size	Ellipse_B	0.05319412	0.03583644	NB_NI	*
270	Z_size	Ellipse_C	-0.0118693	0.73261033	B_I	
	Z_size	Ellipse_C	0.07249799	0.00581426	B_NI	
	Z_size	Ellipse_C	0.09443013	0.00065815	NB_I	
	Z_size	Ellipse_C	0.09210499	0.00027351	NB_NI	*
271	Z_size	Elongation	-0.1764559	3.07E-07	B_I	
	Z_size	Elongation	-0.0596577	0.02329128	B_NI	
	Z_size	Elongation	-0.1280637	3.68E-06	NB_I	
	Z_size	Elongation	-0.0070911	0.7797959	NB_NI	NS
272	Z_size	Flatness_Ratio	0.07809864	0.02435986	B_I	
	Z_size	Flatness_Ratio	0.00638346	0.80836812	B_NI	
	Z_size	Flatness_Ratio	0.32977107	0	NB_I	
	Z_size	Flatness_Ratio	0.12612966	5.95E-07	NB_NI	*
273	Z_size	Max_Feret_Diameter	0.30630404	0	B_I	
	Z_size	Max_Feret_Diameter	0.46684104	0	B_NI	
	Z_size	Max_Feret_Diameter	0.19839235	5.49E-13	NB_I	
	Z_size	Max_Feret_Diameter	0.46546972	0	NB_NI	*
274	Z_size	Roundness_.	-0.3716531	0	B_I	
	Z_size	Roundness_.	-0.3728855	0	B_NI	
	Z_size	Roundness_.	-0.2274328	0	NB_I	
	Z_size	Roundness_.	-0.3485386	0	NB_NI	*
275	Z_size	Sphericity_.	-0.6032296	0	B_I	
	Z_size	Sphericity_.	-0.5408847	0	B_NI	
	Z_size	Sphericity_.	-0.5511211	0	NB_I	
	Z_size	Sphericity_.	-0.6347367	0	NB_NI	*
276	Z_size	Surface_Area	0.65023386	0	B_I	
	Z_size	Surface_Area	0.55742836	0	B_NI	
	Z_size	Surface_Area	0.59497285	0	NB_I	

	Z_size	Surface_Area	0.65235782	0	NB_NI	*
277	Z_size	Volume	0.54021883	0	B_I	
	Z_size	Volume	0.5812946	0	B_NI	
	Z_size	Volume	0.50244659	0	NB_I	
	Z_size	Volume	0.5400306	0	NB_NI	*

## Table S4

	pvalue	measurement	coefficient	Significance
Dataset	2.99E-49	Convexity_.	-0.2684621	*
Blebbistatin:Injured	0.00074531	Convexity_.	-0.2029283	*
Injured	0.04132771	Convexity_.	-0.0810242	*
Time	0.00292086	Convexity_.	0.04326495	*
Intercept	6.78E-28	Convexity_.	0.36132029	*
<b>Blebbistatin</b>	<b>3.14E-32</b>	<b>Convexity_.</b>	<b>0.78355844</b>	<b>*</b>
Time	4.77E-59	Directionality	-0.235059	*
Blebbistatin:Injured	0.00118093	Directionality	-0.1919919	*
Intercept	7.61E-05	Directionality	-0.1277067	*
Dataset	0.06196489	Directionality	-0.0330185	
Blebbistatin	0.02741446	Directionality	0.14277386	*
<b>Injured</b>	<b>3.34E-27</b>	<b>Directionality</b>	<b>0.42470977</b>	<b>*</b>
Blebbistatin	9.69E-05	Ellipse_A	-0.2610483	*
Intercept	0.01409592	Ellipse_A	-0.0818779	*
Time	1.37E-07	Ellipse_A	-0.0780023	*
Dataset	0.0133774	Ellipse_A	0.04524616	*
Blebbistatin:Injured	0.12478215	Ellipse_A	0.09390008	
Injured	5.09E-06	Ellipse_A	0.18439439	*
<b>Blebbistatin</b>	<b>9.81E-11</b>	<b>Ellipse_B</b>	<b>-0.4351633</b>	<b>*</b>
Intercept	2.89E-06	Ellipse_B	-0.1566485	*
Time	0.01634314	Ellipse_B	-0.0356024	*
Blebbistatin:Injured	0.10292861	Ellipse_B	0.1000522	
Injured	0.00504113	Ellipse_B	0.11362825	*
Dataset	6.04E-11	Ellipse_B	0.12027468	*
Blebbistatin:Injured	2.58E-09	Ellipse_C	-0.3619508	*
Intercept	4.21E-05	Ellipse_C	-0.1355418	*
Dataset	0.5557221	Ellipse_C	-0.0106837	
Time	0.56351725	Ellipse_C	-0.0084654	
Injured	0.9778472	Ellipse_C	-0.0011119	
<b>Blebbistatin</b>	<b>3.20E-13</b>	<b>Ellipse_C</b>	<b>0.48482055</b>	<b>*</b>
Dataset	0.00034001	Elongation	-0.0662163	*
Blebbistatin:Injured	0.4425107	Elongation	-0.0474438	
Time	0.09081346	Elongation	-0.0252483	
Injured	0.25645335	Elongation	0.04628952	
Intercept	0.13428603	Elongation	0.05043436	
Blebbistatin	0.00130735	Elongation	0.21735071	*
<b>Blebbistatin</b>	<b>1.21E-30</b>	<b>Flatness_Ratio</b>	<b>-0.7634366</b>	<b>*</b>
Intercept	0.16643402	Flatness_Ratio	-0.0454157	
Time	0.01303836	Flatness_Ratio	-0.0361272	*
Injured	0.01939642	Flatness_Ratio	0.09294819	*
Dataset	1.51E-11	Flatness_Ratio	0.12172796	*
Blebbistatin:Injured	1.34E-09	Flatness_Ratio	0.36572358	*
<b>Blebbistatin</b>	<b>3.69E-25</b>	<b>Instantaneous_Speed</b>	<b>-0.6743438</b>	<b>*</b>
Intercept	0.04869588	Instantaneous_Speed	-0.0635599	*

Dataset	3.26E-07	Instantaneous_Speed	0.09043614	*
Time	8.61E-19	Instantaneous_Speed	0.12703957	*
Injured	3.44E-11	Instantaneous_Speed	0.25934927	*
Blebbistatin:Injured	3.15E-06	Instantaneous_Speed	0.27593209	*
Blebbistatin	6.51E-13	Max_Feret_Diameter	-0.4799751	*
Time	3.52E-13	Max_Feret_Diameter	-0.1072572	*
Intercept	0.47186004	Max_Feret_Diameter	-0.0238677	
Dataset	2.86E-05	Max_Feret_Diameter	0.07620236	*
Injured	0.0496869	Max_Feret_Diameter	0.07887268	*
Blebbistatin:Injured	0.01049105	Max_Feret_Diameter	0.15579541	*
Blebbistatin:Injured	0.00058895	Roundness_.	-0.2095222	*
Dataset	2.41E-16	Roundness_.	-0.1499146	*
Injured	0.21626088	Roundness_.	0.04974518	
Intercept	0.11404607	Roundness_.	0.05249321	
Time	2.95E-05	Roundness_.	0.06156378	*
Blebbistatin	2.09E-26	Roundness_.	0.71319268	*
Blebbistatin:Injured	6.50E-16	Sphericity_.	-0.4834809	*
Dataset	5.05E-61	Sphericity_.	-0.2982664	*
Time	0.07579286	Sphericity_.	-0.0255858	
Injured	0.12345878	Sphericity_.	0.06064622	
Intercept	1.40E-23	Sphericity_.	0.3271167	*
Blebbistatin	6.85E-51	Sphericity_.	0.9910482	*
Blebbistatin	1.44E-22	Surface_Area	-0.6495598	*
Intercept	1.24E-25	Surface_Area	-0.3468232	*
Time	0.00327822	Surface_Area	-0.0429498	*
Blebbistatin:Injured	0.01552902	Surface_Area	0.14625473	*
Injured	0.00015428	Surface_Area	0.15107624	*
Dataset	2.61E-36	Surface_Area	0.22931805	*
Blebbistatin	2.09E-18	Total_displacement	-0.470841	*
Intercept	2.53E-06	Total_displacement	-0.1257619	*
Dataset	0.00952721	Total_displacement	0.03796736	*
Blebbistatin:Injured	0.21677069	Total_displacement	0.06048831	
Time	0	Total_displacement	0.50049162	*
Injured	6.40E-70	Total_displacement	0.58157773	*
Intercept	1.24E-13	Volume	-0.2472828	*
Blebbistatin:Injured	0.00222076	Volume	-0.1867291	*
Blebbistatin	0.01481887	Volume	-0.1626877	*
Time	5.99E-12	Volume	-0.1016939	*
Dataset	1.13E-07	Volume	0.09691294	*
Injured	1.84E-12	Volume	0.28460101	*
Blebbistatin	1.48E-17	X_displacement	-0.5629057	*
Intercept	0.48059101	X_displacement	0.0231056	
Dataset	0.00050962	X_displacement	0.06247925	*
Injured	0.00349069	X_displacement	0.11593435	*
Time	1.69E-20	X_displacement	0.13539793	*
Blebbistatin:Injured	0.00044837	X_displacement	0.21104785	*

Blebbistatin:Injured	6.67E-15	X_position	-0.4725283	*
Blebbistatin	8.00E-08	X_position	-0.3554811	*
Intercept	7.06E-19	X_position	-0.2937124	*
Time	0.68858853	X_position	0.00585397	
Injured	0.00203714	X_position	0.12318022	*
Dataset	7.58E-28	X_position	0.19899551	*
Blebbistatin	6.56E-14	X_size	-0.5010008	*
Time	2.89E-13	X_size	-0.1077415	*
Injured	0.8350012	X_size	0.00837548	
Intercept	0.78138785	X_size	0.00921345	
Dataset	4.83E-05	X_size	0.07405802	*
Blebbistatin:Injured	0.00029658	X_size	0.22052323	*
Blebbistatin	4.60E-07	Y_displacement	-0.3296475	*
Intercept	0.0053783	Y_displacement	-0.090589	*
Dataset	0.07015114	Y_displacement	0.03231419	
Time	1.14E-22	Y_displacement	0.14206158	*
Blebbistatin:Injured	0.00111544	Y_displacement	0.19463881	*
Injured	8.84E-16	Y_displacement	0.31800233	*
Intercept	1.72E-235	Y_position	-0.703603	*
Blebbistatin:Injured	1.41E-13	Y_position	-0.2748928	*
Dataset	1.49E-22	Y_position	-0.1088347	*
Time	0.64528463	Y_position	-0.0041219	
Blebbistatin	2.95E-57	Y_position	0.6557604	*
Injured	0	Y_position	1.73728264	*
Blebbistatin:Injured	6.78E-12	Y_size	-0.4129694	*
Intercept	2.59E-30	Y_size	-0.3771216	*
Blebbistatin	0.00796616	Y_size	-0.1742958	*
Time	0.00052956	Y_size	-0.0502928	*
Dataset	2.52E-11	Y_size	0.12001954	*
Injured	1.36E-45	Y_size	0.56797878	*
Blebbistatin	1.17E-07	Z_displacement	-0.3504209	*
Intercept	0.00045356	Z_displacement	-0.1154945	*
Dataset	0.00026137	Z_displacement	0.06594469	*
Blebbistatin:Injured	0.265347	Z_displacement	0.06725186	
Time	3.41E-22	Z_displacement	0.14206607	*
Injured	2.05E-10	Z_displacement	0.253986	*
Injured	1.26E-41	Z_position	-0.5201777	*
Dataset	5.00E-80	Z_position	-0.3334145	*
Time	0.0277476	Z_position	-0.0306925	*
Blebbistatin:Injured	3.10E-15	Z_position	0.45664032	*
Intercept	1.20E-57	Z_position	0.51065591	*
Blebbistatin	8.90E-51	Z_position	0.95793721	*
Blebbistatin	0.00110497	Z_size	-0.2200903	*
Injured	0.00087832	Z_size	-0.135465	*
Time	0.45047573	Z_size	0.01123904	
Dataset	0.46374357	Z_size	0.01350125	

Intercept	0.06110341	Z_size	0.06293508	
Blebbistatin:Injured	3.10E-09	Z_size	0.36597103	*