Supplementary Table 1. Summary of statistical analysis for relevant figures.

Figure	Panel	Statistical Tests	Statistical Results
1	e left	One-way ANOVA with post hoc tests	F(4,46)=16.69, p<0.0001 Tukey's multiple comparison tests: DCC8 vs. 22: adj.p<0.0001 DCC15 vs. 29: adj.p=0.0019
1	e right	One-way ANOVA with post hoc tests	F(4,46)=10.95, p<0.0001 Tukey's multiple comparison tests: DCC8 vs. 22: adj.p=0.0082 DCC15 vs. 22: adj.p=0.0486
1	g	Mixed-effects model (REML)	F (0.9122, 10.72) = 63.30, p<0.0001 Tukey's multiple comparison tests: DCC4 vs. 7: adj.p=0.0017 DCC7 vs. 14: adj.p=0.0008 DCC14 vs. 21: adj.p=0.0144
2	c	Chi-squared test	X-squared = 1697.1, df = 3, p< 2.2e-16
2	f	One-way ANOVA with post hoc tests	F(2,6)=14.94, p<0.0047 Tukey's multiple comparison tests: DCC7 vs. 21: adj.p=0.0042 DCC14 vs. 21: adj.p=0.0244
2	g	Kruskal-Wallis rank sum test, two-sided and pairwise Wilcoxon tests, two-sided	Kurskal-Wallis: p= 2.708e-10 Pairwise Wilcoxon with Benjamini-Hochberg multiple testing correction: DCC7 vs. 15: adj.p= 9.7e-08 DCC15 vs. 21: adj.p= 1.9e-09
3	b	One-way ANOVA with post hoc tests	F(2,6)=30.78 p=0.0007 Tukey's multiple comparison tests: bin1 vs. bin2: adj.p=0.003
3	c	One-way ANOVA with post hoc tests	F(2,6)=10.84 p=0.01 Tukey's multiple comparison tests: bin1 vs. bin2: adj.p=0.04
3	e	Simple Linear Regression	R-squared=0.37 F(1,18)=10.42, p=0.0047
3	f	Fisher's exact test two sided for DCC7 and 15, Chi-squared test for CCD21	DCC7 Fisher's exact test: p=7.214e-09 DCC15: Fisher's exact test: p<2.2e-16 DCC21: X-squared=674.03, df=3, p<2.2e-16
4	c	Chi-squared test	X-squared=0.2981, df=3, p=0.9604
4	d	Unpaired t-test, two-sided	t=2.749, df=17, p=0.0137
4	e	Wilcoxon rank sum test, two-sided	p=0.0141
4	f	Unpaired t-test, two-sided	t=3.983, df=4, p=0.0164
4	g	Chi-squared test	X-squared =1.361, df=3, p=0.7147
4	i	Paired t-test, two-sided	t=4.641, df=2, p=0.0434

4	j	Wilcoxon rank sum test, two-sided	p=0.0008
6	a Area	One-way ANOVA with post hoc tests	F(2, 32)=11.82, p=0.0001 Dunnett's multiple comparison tests: Neu Ctr-Myo Ctr vs. Neu Ctr-Myo Q72: adj.p=0.0174 Neu Ctr-Myo Ctr vs. Neu Q72-Myo Ctr: adj.p<0.0001
6	a Length	One-way ANOVA with post hoc tests	F(2, 34)=10.08, p=0.0004 Dunnett's multiple comparison tests: Neu Ctr-Myo Ctr vs. Neu Ctr-Myo Q72: adj.p=0.0042 Neu Ctr-Myo Ctr vs. Neu Q72-Myo Ctr: adj.p=0.0004
6	a Form factor	One-way ANOVA with post hoc tests	F(2, 34)=5.01, p=0.0124 Dunnett's multiple comparison tests: Neu Ctr-Myo Ctr vs. Neu Ctr-Myo Q72: adj.p=0.0424 Neu Ctr-Myo Ctr vs. Neu Q72-Myo Ctr: adj.p=0.0127
6	b left panel	two-way ANOVA for each time point	DCC2: DCC2 Fmyo()=, p= DCC2 Fneu()= DCC2 Fmyo:neu()=
6	b right panel	two-way ANOVA for each time point	
6	c	One-way ANOVA with post hoc tests	F (2, 25) = 25.22, p<0.0001 Tukey's multiple comparison tests: Neu Ctr-Myo Q72 vs. Neu Q72-Myo Q72: adj.p=0.0003 Neu Q72-Myo Ctr vs. Neu Q72-Myo Q72: adj.p<0.0001
7	d	Unpaired t-test, two-sided	t=9.361, df=4, p=0.0007