



Figure	Protein	Normalized to WT				Protein	Raw Data				Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value	
		WT	TM -/-	GRN -/-	GRN & TM -/-		WT	TM -/-	GRN -/-	GRN & TM -/-							
7	p62 RIPA	WT	TM -/-	GRN -/-	GRN & TM -/-	p62 upper	WT	TM -/-	GRN -/-	GRN & TM -/-	wild type vs. Tmem106b -/-	-20.36	-111.4 to 70.66	No	ns	0.8879	
	A		104	89	136	939	A	267.931	228.936	351.035	2.417.550	wild type vs. Grn -/-	-48.37	-139.4 to 42.65	No	ns	0.3823
	B		90	145	164	933	B	233.067	372.469	423.115	2.402.762	wild type vs. Grn -/- & Tmem106b -/-	-800.8	-891.8 to -709.8	Yes	****	<0.0001
	C		105	127	144	830	C	271.648	325.992	369.605	2.137.034	Tmem106b -/- vs. Grn -/-	-28	-119.0 to 63.02	No	ns	0.7617
											Tmem106b -/- vs. Grn -/- & Tmem106b -/-	-780.4	-871.5 to -689.4	Yes	****	<0.0001	
											Grn -/- vs. Grn -/- & Tmem106b -/-	-752.4	-843.4 to -661.4	Yes	****	<0.0001	
7	p62-Urea	WT	TM -/-	GRN -/-	GRN & TM -/-	p62-Urea	WT	TM -/-	GRN -/-	GRN & TM -/-	Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value	
	A		138	308	228	2.462	A	693.836	1.553.493	1.150.906	12.419.388	wild type vs. Tmem106b -/-	-674.3	-2016 to 667.0	No	ns	0.4251 A-B
	B		18	123	31	2.867	B	90.311	622.696	157.268	14.460.078	wild type vs. Grn -/-	-33.74	-1375 to 1307	No	ns	0.9998 A-C
	C		145	1.892	143	3.056	C	728.945	9.544.508	720.439	15.415.560	wild type vs. Grn -/- & Tmem106b -/-	-2695	-4036 to -1354	Yes	***	0.0009 A-D
											Tmem106b -/- vs. Grn -/-	640.5	-700.7 to 1982	No	ns	0.465 B-C	
											Tmem106b -/- vs. Grn -/- & Tmem106b -/-	-2021	-3362 to -679.4	Yes	**	0.0057 B-D	
											Grn -/- vs. Grn -/- & Tmem106b -/-	-2661	-4002 to -1320	Yes	***	0.001 C-D	
7	UBI	WT	TM -/-	GRN -/-	GRN & TM -/-	UBI	WT	TM -/-	GRN -/-	GRN & TM -/-	Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value	
	A		128	174	234	312	A	133.780.202	181.486.908	244.375.525	324.924.739	wild type vs. Tmem106b -/-	-123.4	-216.5 to -30.19	Yes	*	0.0121
	B		70	209	219	302	B	73.336.954	218.290.855	228.588.160	315.221.833	wild type vs. Grn -/-	-119.7	-212.8 to -26.49	Yes	*	0.0143
	C		101	285	204	260	C	105.549.008	297.543.467	212.767.594	270.782.637	wild type vs. Grn -/- & Tmem106b -/-	-191.7	-284.8 to -98.51	Yes	***	0.0008
											Tmem106b -/- vs. Grn -/-	3.703	-89.46 to 96.87	No	ns	0.9992	
											Tmem106b -/- vs. Grn -/- & Tmem106b -/-	-68.32	-161.5 to 24.85	No	ns	0.1658	
											Grn -/- vs. Grn -/- & Tmem106b -/-	-72.02	-165.2 to 21.14	No	ns	0.1391	
7	LC3-I	WT	TM -/-	GRN -/-	GRN & TM -/-	LC3-I	WT	TM -/-	GRN -/-	GRN & TM -/-	Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value	
	A		123	77	105	159	A	37.258.577	23.253.226	31.963.062	48.251.136	wild type vs. Tmem106b -/-	5.517	-42.87 to 53.90	No	ns	0.9822
	B		85	117	126	177	B	25.819.264	35.608.370	38.296.582	53.739.827	wild type vs. Grn -/-	-24.09	-72.48 to 24.29	No	ns	0.4326
	C		92	90	141	148	C	28.051.494	27.242.340	42.828.545	45.098.913	wild type vs. Grn -/- & Tmem106b -/-	-61.41	-109.8 to -13.02	Yes	*	0.0153
											Tmem106b -/- vs. Grn -/-	-29.61	-79.00 to 18.78	No	ns	0.2781	
											Tmem106b -/- vs. Grn -/- & Tmem106b -/-	-66.92	-115.3 to -18.54	Yes	**	0.0095	
											Grn -/- vs. Grn -/- & Tmem106b -/-	-37.31	-85.70 to 11.07	No	ns	0.1402	
7	LC3-II	WT	TM -/-	GRN -/-	GRN & TM -/-	LC3-II	WT	TM -/-	GRN -/-	GRN & TM -/-	Tukey's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value	
	A		135	22	14	254	A	5.759.224	936.573	606.518	10.796.360	wild type vs. Tmem106b -/-	75.77	-28.83 to 180.4	No	ns	0.1724
	B		118	32	35	293	B	5.008.745	1.343.219	1.470.471	12.484.246	wild type vs. Grn -/-	51.61	-52.99 to 156.2	No	ns	0.4397
	C		47	19	96	350	C	1.994.050	811.791	4.097.838	14.902.299	wild type vs. Grn -/- & Tmem106b -/-	-199.2	-303.8 to -94.58	Yes	**	0.0013
											Tmem106b -/- vs. Grn -/-	-24.16	-128.8 to 80.45	No	ns	0.8785	
											Tmem106b -/- vs. Grn -/- & Tmem106b -/-	-275	-379.6 to -170.4	Yes	***	0.0001	
											Grn -/- vs. Grn -/- & Tmem106b -/-	-250.8	-355.4 to -146.2	Yes	***	0.0003	