

Supplementary Table 8:Analysis of Variance (ANOVA) summary tables evaluating the effects of treatment (0.5 mM Palmitate or Control), Fraction (1-12), and experimental replicate (1, 2 or 3) on the protein abundance of known ISG proteins and previously validated ISG-associated proteins (Chapter 2). Table shows the degrees of freedom (Df), sum of squares (Sum Sq), mean squares (Mean Sq), F-values and associated p-values (Pr(>F)) for each factor and their interaction. Significant effects observed are outlined by asterisks, Treatment:Fraction indicates the possible interaction between treatment and fractions. Significance codes: * p < 0.05, ** p < 0.01, *** p <0.001.

Protein		df	Sumsq	Mean Sq	F value	P value (>F)	Significance
Ins1	Treatment	1	3.1545	3.15447	33.2922	6.87E-07	***
	Fraction	11	21.1369	1.92154	20.2799	6.43E-14	***
	Experiment	2	2.1451	1.07254	11.3196	0.0001042	***
	Treatment*Fraction	11	2.7904	0.25367	2.6772	0.0098278	**
	Residuals	45	4.2638	0.09475			
Ins2	Treatment	1	10.175	10.1754	46.7754	1.77E-08	***
	Fraction	11	38.292	3.4811	16.0024	4.10E-12	***
	Experiment	2	7.279	3.6394	16.7303	3.70E-06	***
	Treatment*Fraction	11	2.046	0.186	0.8551	5.88E-01	
	Residuals	45	9.789	0.2175			
Pcsk1n	Treatment	1	2.4917	2.49174	13.0001	7.90E-04	***
	Fraction	11	5.3099	0.48272	2.5185	1.48E-02	*
	Experiment	2	3.2661	1.63306	8.5201	7.45E-04	***
	Treatment*Fraction	11	2.8294	0.25722	1.342	2.35E-01	
	Residuals	44	8.4335	0.19167			
CPE	Treatment	1	1.783	1.78299	26.6596	5.92E-06	***
	Fraction	11	9.5815	0.87105	13.024	2.16E-10	***
	Experiment	2	0.8851	0.44257	6.6174	3.12E-03	**
	Treatment*Fraction	11	0.2885	0.02622	0.3921	0.95182	
	Residuals	43	2.8758	0.06688			
ChgA	Treatment	1	0.5485	0.54846	3.7033	0.0604	
	Fraction	11	15.6774	1.42522	9.6234	1.30E-08	***
	Experiment	2	0.7482	0.37411	2.5261	0.09126	
	Treatment*Fraction	11	1.8453	0.16775	1.1327	0.35972	
	Residuals	45	6.6645	0.1481			
lapp	Treatment	1	0.3486	0.3486	1.144	0.2903995	
	Fraction	11	20.9858	1.9078	6.2612	3.48E-06	***
	Experiment	2	6.4824	3.2412	10.6374	0.0001595	***
	Treatment*Fraction	11	5.7784	0.5253	1.724	0.0978269	
	Residuals	46	14.0163	0.3047			
PCSK2	Treatment	1	0.1761	0.17611	1.7703	0.190049	
	Fraction	11	2.1969	0.19972	2.0077	5.01E-02	
	Experiment	2	1.8013	0.90067	9.0538	0.000496	***
	Treatment*Fraction	11	0.1568	0.01425	0.1433	0.999303	
	Residuals	45	4.4766	0.09948			
Scamp3	Treatment	1	0.211	0.211	2.4369	0.1258	
	Fraction	11	25.5327	2.3212	26.8103	1.02E-15	***
	Experiment	2	6.6841	3.342	38.6018	2.52E-10	***
	Treatment*Fraction	11	1.316	0.1196	1.3818	0.2162	
	Residuals	43	3.7228	0.0866			
Scamp3	Treatment	1	0.211	0.211	2.4369	0.1258	
	Fraction	11	25.5327	2.3212	26.8103	1.02E-15	***
	Experiment	2	6.6841	3.342	38.6018	2.52E-10	***
	Treatment*Fraction	11	1.316	0.1196	1.3818	0.2162	
	Residuals	43	3.7228	0.0866			
Scg2	Treatment	1	3.7097	3.7097	22.3991	2.14E-05	***
	Fraction	11	5.5184	0.5017	3.0291	4.07E-03	**
	Experiment	2	5.4114	2.7057	16.3371	4.36E-06	***
	Treatment*Fraction	11	2.5598	0.2327	1.4051	0.203069	
	Residuals	46	7.6184	0.1656			
Scg3	Treatment	1	0.2645	0.2645	3.039	8.84E-02	
	Fraction	11	10.2875	0.93523	10.7455	3.95E-09	***
	Experiment	2	2.387	1.19352	13.7133	2.47E-05	***
	Treatment*Fraction	11	0.5493	0.04994	0.5738	0.83916	
	Residuals	43	3.7425	0.08703			
Stx7	Treatment	1	0.585	0.5847	1.2887	2.62E-01	
	Fraction	11	24.055	2.1868	4.8194	7.15E-05	***
	Experiment	2	33.997	16.9985	37.4623	2.64E-10	***
	Treatment*Fraction	11	3.219	0.2927	0.645	0.7806	
	Residuals	45	20.419	0.4537			
Syp	Treatment	1	0.808	0.80783	5.7825	2.03E-02	*
	Fraction	11	31.854	2.89582	20.7284	2.88E-14	***
	Experiment	2	0.986	0.49291	3.5283	3.75E-02	*
	Treatment*Fraction	11	1.465	0.13318	0.9533	0.50055	
	Residuals	46	6.426	0.1397			
Syt13	Treatment	1	3.9658	3.9658	38.2024	2.39E-07	*
	Fraction	11	17.5783	1.598	15.3937	2.94E-11	***
	Experiment	2	6.5504	3.2752	31.5497	5.06E-09	*
	Treatment*Fraction	11	1.8848	0.1713	1.6506	0.1206	
	Residuals	41	4.2562	0.1038			
ZnT8	Treatment	1	0.1865	0.1865	1.6796	2.02E-01	*
	Fraction	11	13.4957	1.22688	11.0488	2.62E-09	***
	Experiment	2	3.4546	1.72732	15.5555	8.26E-06	*
	Treatment*Fraction	11	1.7303	0.1573	1.4165	0.2005	
	Residuals	43	4.7748	0.11104			