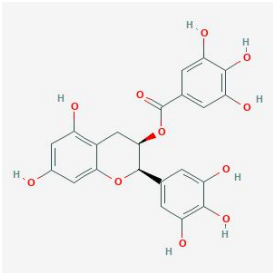
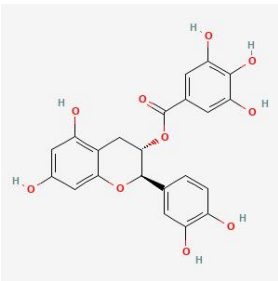
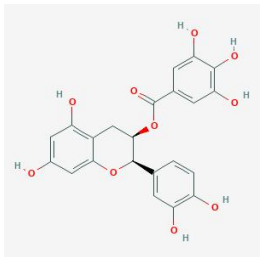
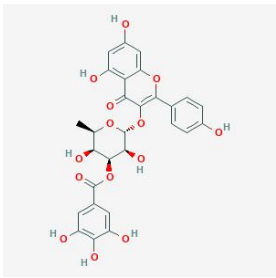
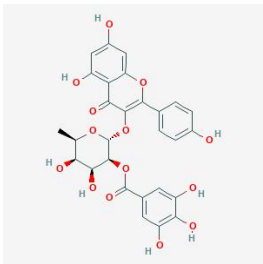
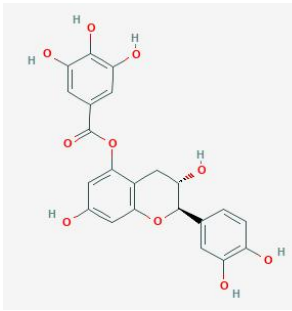
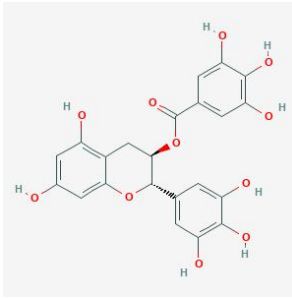
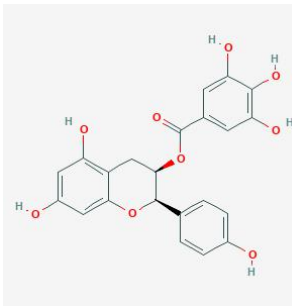
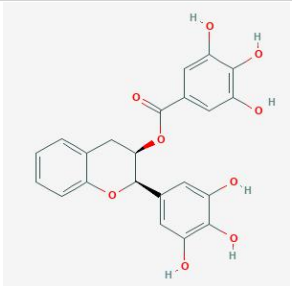

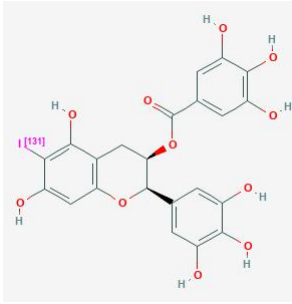
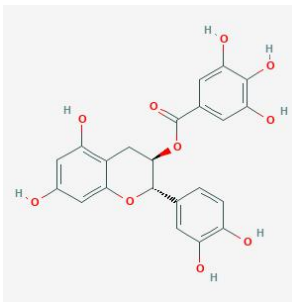
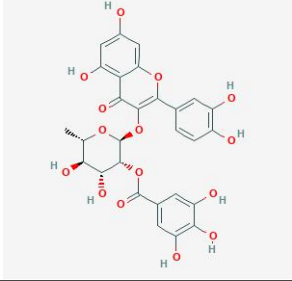
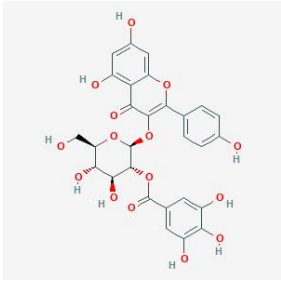
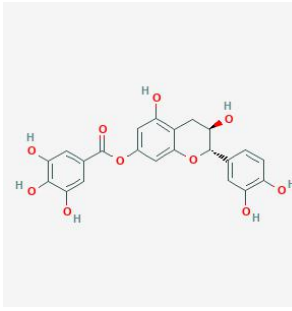
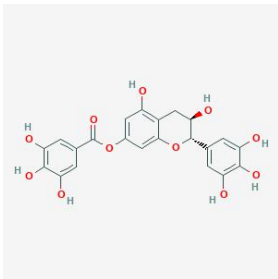
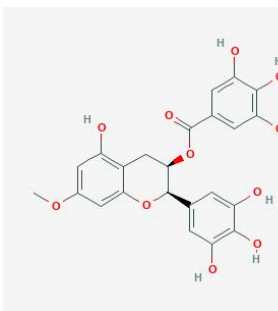
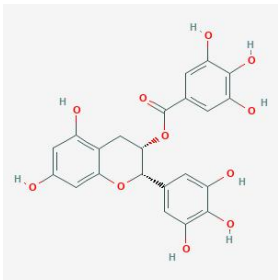
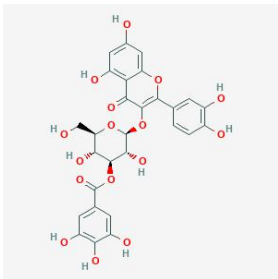
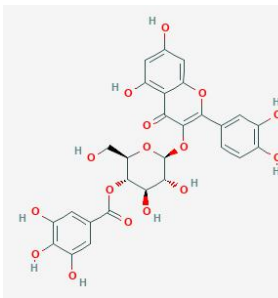


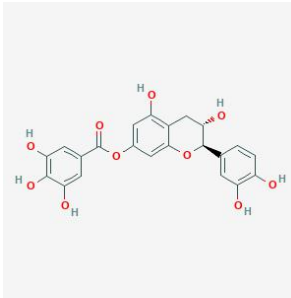
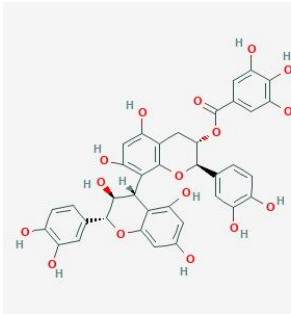
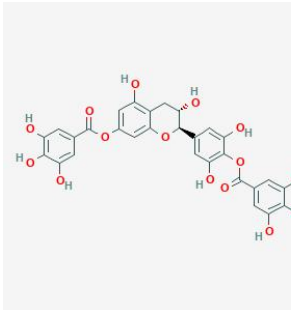
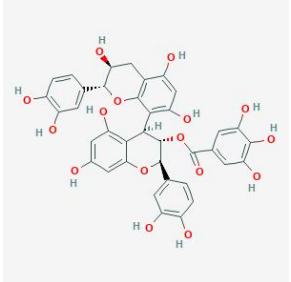
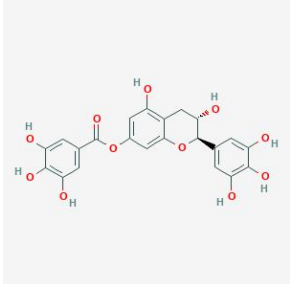
Raw DataS1
Network pharmacology

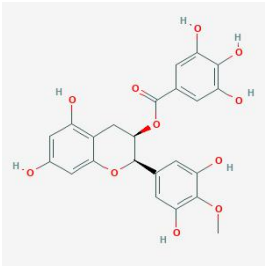
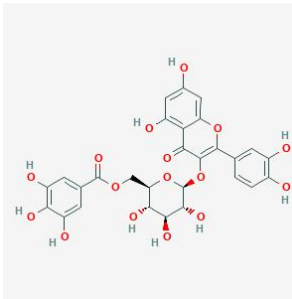
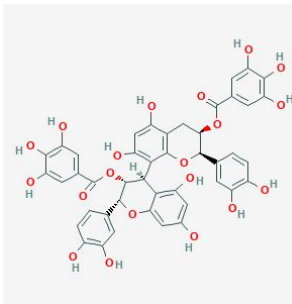
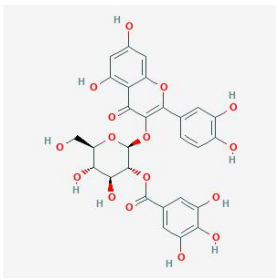
NO	CHEMBL ID	Compound CID	结构式	化合物	中文名	分子式	分子量
1	CHEMBL 297453	65064		Epigallocatechin Gallate	没食子儿茶素	C ₂₂ H ₁₈ O ₁₁	458.38
2	CHEMBL 483083	5276454		Catechin gallate	儿茶素没食子酸酯	C ₂₂ H ₁₈ O ₁₀	442.38
3	CHEMBL 36327	107905		Epicatechin Gallate	表儿茶素没食子酸酯	C ₂₂ H ₁₈ O ₁₀	442.38
4	CHEMBL 507268	44586972		Afzelin 3'-O-Gallate	阿夫泽林 3'-O-没食子酸酯	C ₂₈ H ₂₄ O ₁₄	584.49
5	CHEMBL 445952	44586971		Afzelin 2'-O-Gallate	阿夫泽林 2'-O-没食子酸酯	C ₂₈ H ₂₄ O ₁₄	584.49

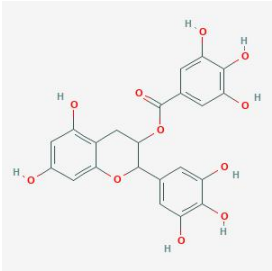
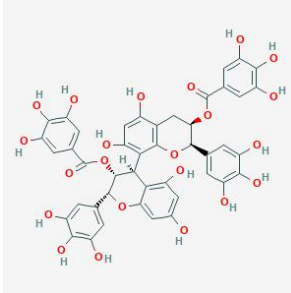
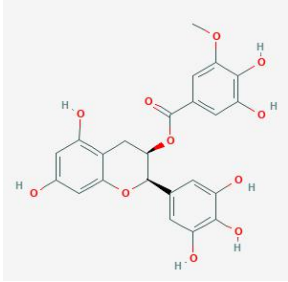
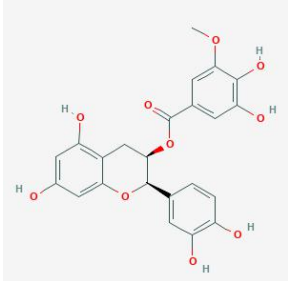
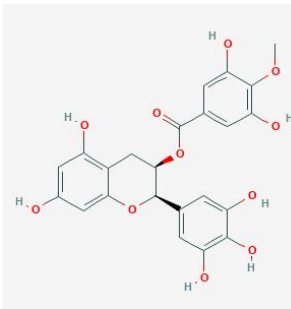
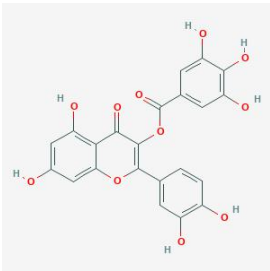
6	CHEMBL 1172735	15689618		Catechin 5-O-gallate	儿茶素 5-O-没食子酸酯	C ₂₂ H ₁₈ O ₁₀	442.38
7	CHEMBL 264938	199472		Gallocatechin gallate	没食子儿茶素没食子酸酯	C ₂₂ H ₁₈ O ₁₁	458.38
8	CHEMBL 159706	467295		Epiafzelechin 3-O-Gallate	表阿福豆素 -3-O-没食子酸酯	C ₂₂ H ₁₈ O ₉	426.38
9	CHEMBL 229029	16747763		dideoxy-epigallo catechin gallate	双脱氧-表没食子儿茶素没食子酸酯	C ₂₂ H ₁₈ O ₉	426.38
10	CHEMBL 2235643	76308049		[3H](-)-Epigallo atecgin gallate	[3H] (-) 表没食子儿茶素没食子酸酯	C ₂₂ H ₁₇ IO ₁₁ 1	592.30

11	CHEMBL 2235644	76308050		[131I]-Epigallo- catechin gallate	[131I]-儿茶素没 食子酸	C ₂₂ H ₁₇ O ₁₁ 1	588.27
12	CHEMBL 129451	6419835		catechin gallate	儿茶素没食子酸 酯	C ₂₂ H ₁₈ O ₁₀	442.38
13	CHEMBL 3236511	10031482		2'-O-galloylquercetin	2'-O-没食子酰 槲皮苷	C ₂₈ H ₂₄ O ₁₅	600.49
14	CHEMBL 444191	5488619		Astragaloside 2''-gallate	黄芪甲苷 2''-没 食子酸酯	C ₂₈ H ₂₄ O ₁₅	600.49
15	CHEMBL 4471702	26194291		[(2S,3R)-2-(3,4- dihydroxyphenyl)-3,5-dihydroxy -3,4-dihydro-2H -chromen-7-yl] 3,4,5-trihydroxy benzoate	[(2S, 3R) -2- (3,4-二羟基苯 基) -3,5-二羟基 -3,4-二氢-2H-铬 -7-基]3,4,5-三羟 基苯甲酸酯	C ₂₂ H ₁₈ O ₁₀	442.38

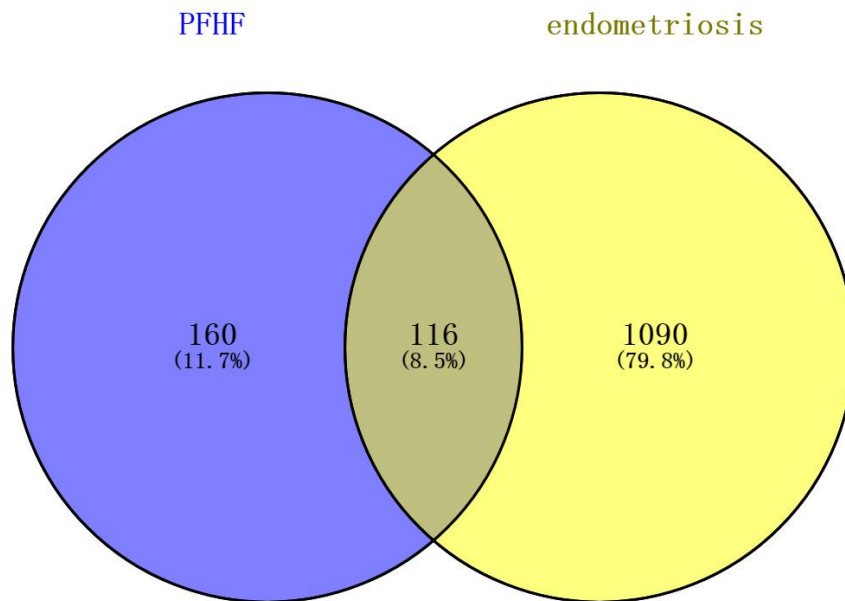
16	CHEMBL 4472624	26087900		[(2S,3R)-3,5-Dihydroxy-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-chromen-7-yl] 3,4,5-trihydroxybenzoate	[(2S, 3R) -3,5-二羟基-2-(3,4,5-三羟基苯基)-3,4-二氢-2H-铬-7-基]3,4,5-三羟基苯甲酸酯	C ₂₂ H ₁₈ O ₁₁	458.38
17	CHEMBL 4088244	89280670		3,4,5-Trihydroxybenzoic acid (2R)-2alpha-(3,4,5-trihydroxyphenyl)-5-hydroxy-7-methoxychroman-3alpha-yl ester	3,4,5-三羟基苯甲酸 (2R) -2alpha- (3,4,5-三羟基苯基) -5-羟基-7-甲氧基苯并吡喃-3- α -基酯	C ₂₃ H ₂₀ O ₁₁	472.40
18	CHEMBL 338988	2824823		[(2S,3S)-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-chromen-3-yl] 3,4,5-trihydroxybenzoate	[(2S, 3S) -5,7-二羟基-2-(3,4,5-三羟基苯基)-3,4-二氢-2H-铬-3-基] 3,4,5-三羟基苯甲酸酯	C ₂₂ H ₁₈ O ₁₁	458.38
19	CHEMBL 3934873	102287521		3-(3-O-Galloyl-beta-D-glucopyranosyloxy)-5,7,3',4'-tetrahydroxyflavone	3- (3-O-没食子酸基- β -D-吡喃葡萄糖基氧基) -5,7,3',4'-四羟基丙酮	C ₂₈ H ₂₄ O ₁₆	616.48
20	CHEMBL 3942991	134145562		[(2R,3S,4R,5R,6S)-6-[2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4-oxochromen-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl] 3,4,5-trihydroxybenzoate	[(2R, 3S, 4R, 5R, 6S) -6-[2-(3,4-二羟基苯基) -5,7-二羟基-4-氧代铬-3-基]氧基-4,5-二羟基-2-(羟甲基)氧基-3-基]3,4,5-三羟基苯甲酸酯	C ₂₈ H ₂₄ O ₁₆	616.48

21	MOL0058 65	471393		Catechin 7-O-gallate	儿茶素 7-O-没食子酸酯	C ₂₂ H ₁₈ O ₁₀	442.38
22	CHEMBL 2414344	11686333		procyanidin B3 3'-O-gallate	原花青素 B3 3'-O-没食子酸酯	C ₃₇ H ₃₀ O ₁₆	730.63
23	CHEMBL 4216177	44257117		Gallocatechin 7,4'-di-O-gallate	没食子儿茶素 7,4'-di-O-没食子酸酯	C ₂₉ H ₂₂ O ₁₅	610.48
24	CHEMBL 2414343	11331595		Procyanidin B3 3-O-gallate	原花青素 B3 3-O-没食子酸酯	C ₃₇ H ₃₀ O ₁₆	730.63
25	CHEMBL 4216621	145972597		[(2R,3S)-3,5-Dihydroxy-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-chromen-7-yl] 3,4,5-trihydroxybenzoate	[(2R, 3S) -3,5-二羟基-2-(3,4,5-三羟基苯基)-3,4-二氢-2H-铬-7-基]3,4,5-三羟基苯甲酸酯	C ₂₂ H ₁₈ O ₁₁	458.38

				4,5-trihydroxybenzoyl)oxy-3,4-dihydro-2H-chromen-4-yl]-5,7-dihydroxy-3,4-dihydro-2H-chromen-3-yl]	基苯甲酰基) 氧基-34-二氢-2H-铬-4-基] -57-二羟基-34-二氢-2H-铬-3-基]	345-三羟基苯甲酸酯		
31	CHEMBL 1093050	23583011		4'-O-methylepigallocatechin-3-O-gallate	4'-O-甲基表没食子儿茶素-3-O-没食子酸酯	<chem>C23H20O11</chem>	472.40	
32	CHEMBL 499432	9830456		Tellimoside	泰利莫甙	<chem>C28H24O16</chem>	616.48	
33	CHEMBL 39504	124016		Procyanidin B2 3,3'-Di-O-Gallate	原花青素 B2 3,3'-二-O-没食子酸酯	<chem>C44H34O20</chem>	882.74	
34	CHEMBL 459260	5480249		Quercetin 3-glucoside	槲皮素 3-葡萄糖苷	<chem>C28H24O16</chem>	616.48	

35	CHEMBL 311663	1287		Gallocatechin gallate	没食子儿茶素没 食子酸酯	C ₂₂ H ₁₈ O ₁₁	458.38
36	CHEMBL 422711	467306		Rhodisin	罗地辛	C ₄₄ H ₃₄ O ₂₂	914.73
37	CHEMBL 562716	9804842		Epigallocatechin 3-O-(3-O-methy l)gallate	表没食子儿茶素 3-O-(3-O-甲基) 没食子酸酯	C ₂₃ H ₂₀ O ₁₁	472.40
38	CHEMBL 158521	467296		Epicatechin 3-O-(3-O-methy lgallate)	表儿茶素 3-O- (3-O-甲基没食 子酸酯)	C ₂₃ H ₂₀ O ₁₀	456.40
39	CHEMBL 559294	401129		4''-Methylepigall ocatechin gallate	4''-甲基表没食 子儿茶素没食子 酸酯	C ₂₃ H ₂₀ O ₁₁	472.40
40	CHEMBL 1935379	54755091		3-O-Galloylquer cetin	3-O-没食子酰槲 皮素	C ₂₂ H ₁₄ O ₁₁	454.34

Raw Data S2



intersection targets

number of nodes: 116

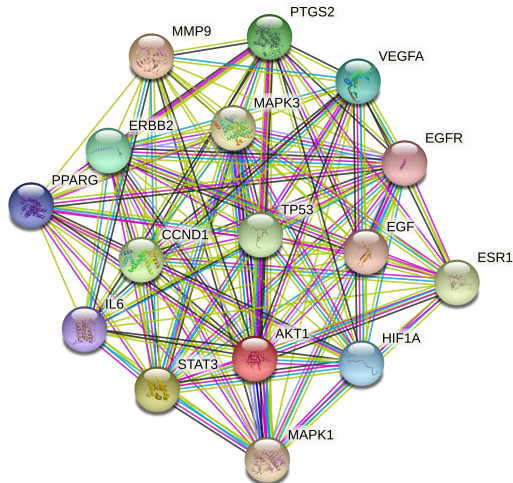
number of edges: 1812

average node degree: 31.2

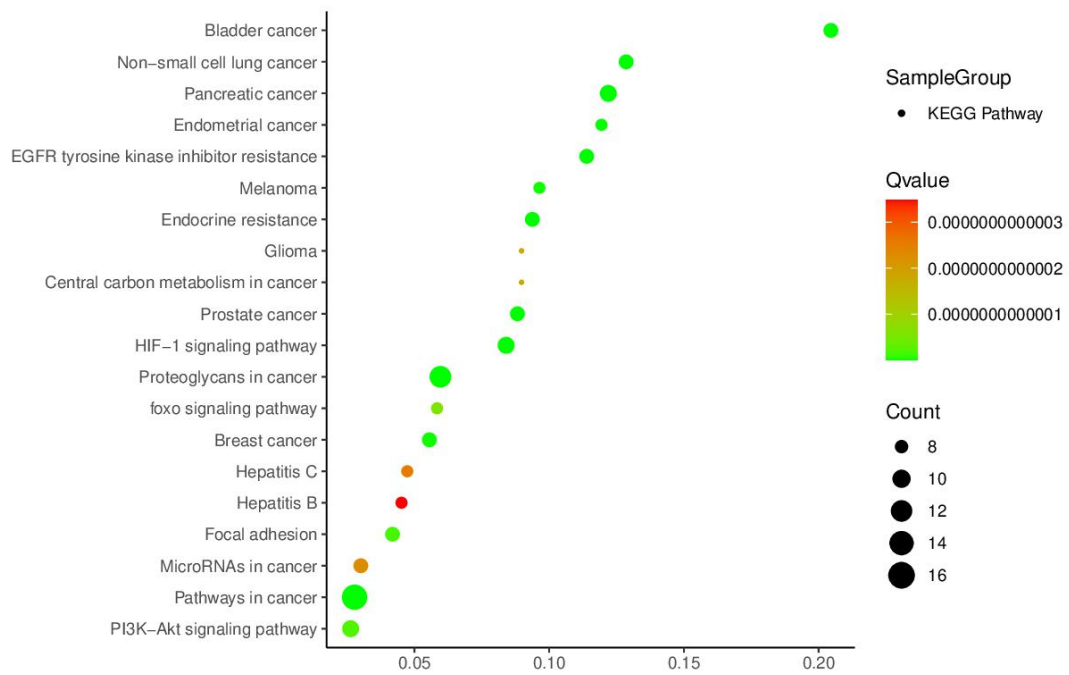
avg. local clustering coefficient: 0.67

expected number of edges: 564

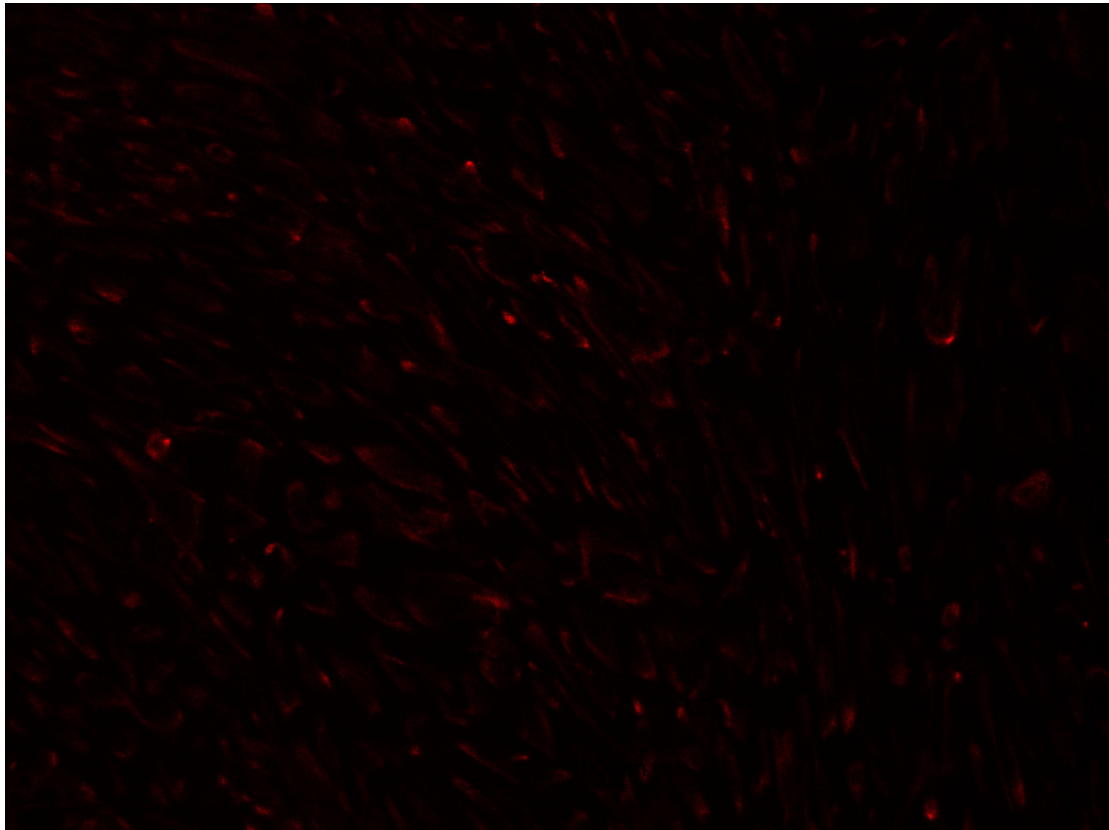
PPI enrichment p-value: $< 1.0e-16$



AKT1	Degree	91	Betweenness 886.95734 Closeness 0.81560284
TP53	Degree	87	Betweenness 810.54663 Closeness 0.7986111
VEGFA	Degree	79	Betweenness 403.48343 Closeness 0.7565789
ESR1	Degree	77	Betweenness 1123.4476 Closeness 0.751634
STAT3	Degree	77	Betweenness 328.17703 Closeness 0.7419355
EGFR	Degree	76	Betweenness 387.93515 Closeness 0.73717946
MAPK3	Degree	76	Betweenness 413.74265 Closeness 0.7419355
IL6	Degree	73	Betweenness 428.62036 Closeness 0.7278481
HIF1A	Degree	72	Betweenness 299.1978 Closeness 0.7232704
EGF	Degree	70	Betweenness 219.8099 Closeness 0.70987654
CCND1	Degree	70	Betweenness 318.2578 Closeness 0.70987654
MMP9	Degree	65	Betweenness 480.6608 Closeness 0.6886228
PTGS2	Degree	60	Betweenness 292.85876 Closeness 0.6764706
ERBB2	Degree	60	Betweenness 184.1135 Closeness 0.6647399
PPARG	Degree	59	Betweenness 301.5466 Closeness 0.6686047
MAPK1	Degree	57	Betweenness 201.06628 Closeness 0.6571429



Immunofluorescence

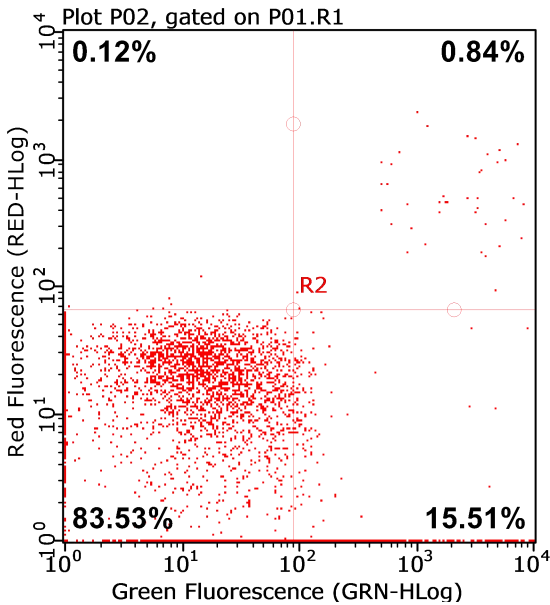
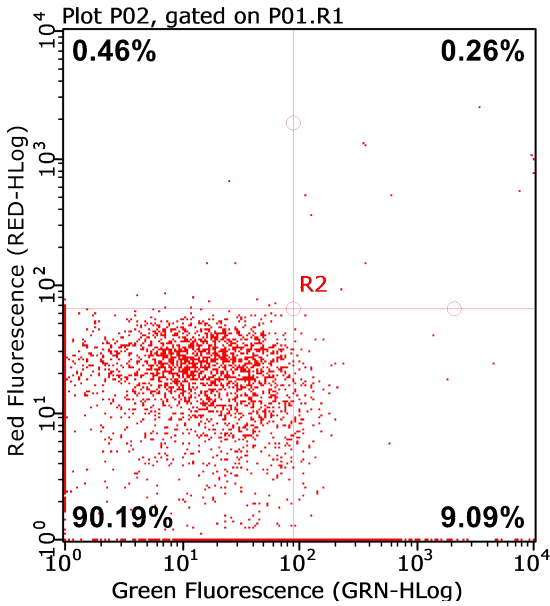


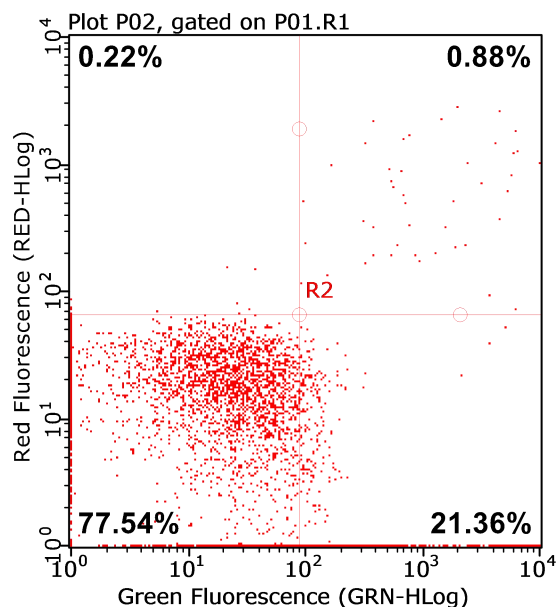
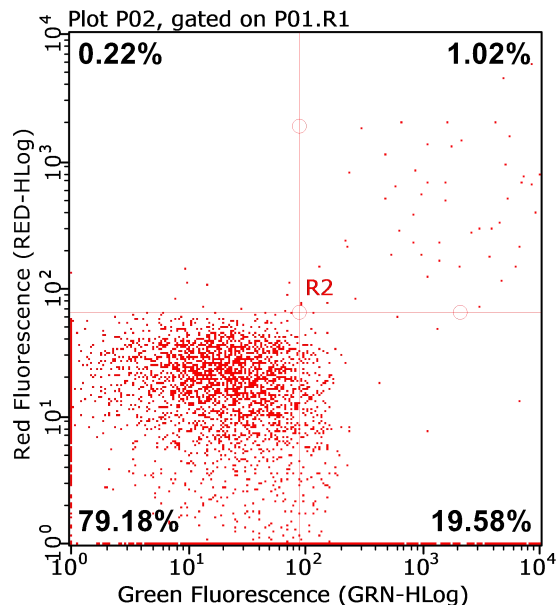


User	DESKTOP-LLG19K\zdsys									
Plate	Greiner 96 Flat Bottom Transparent Polystyrene Cat. No.: 655101/655161/655192 [GRE96ft.pdfx]									
Plate-ID (Stacker)										
Label: Label1										
Mode	Absorbance									
Wavelength	450 nm									
Bandwidth	9 nm									
Number of Flashes	25									
Settle Time	0 ms									
Part of Plate	E2-E11									
Start Time	2021/1/29 14:03:05									
Temperature: 23.3 °C										
	2	3	4	5	6	7	8	9	10	11
B	0.485399991	0.455300003	0.430900007	0.400999993	0.2861	0.450199991	0.5097	0.397000015	0.356900007	0.2236
C	0.540499985	0.522700012	0.461299986	0.421799988	0.277200013	0.589999974	0.561100006	0.465600014	0.312099993	0.197099999
D	0.515699983	0.501800001	0.40990001	0.393999994	0.329899997	0.525200009	0.519900024	0.465600014	0.326700002	0.187600002
E	0.544000012	0.600700003	0.603299987	0.357899994	0.307300001	0.538500011	0.474700004	0.454600006	0.272899985	0.184599996
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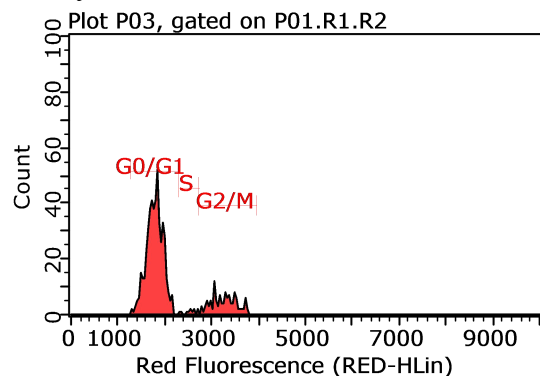
Flow cytometry

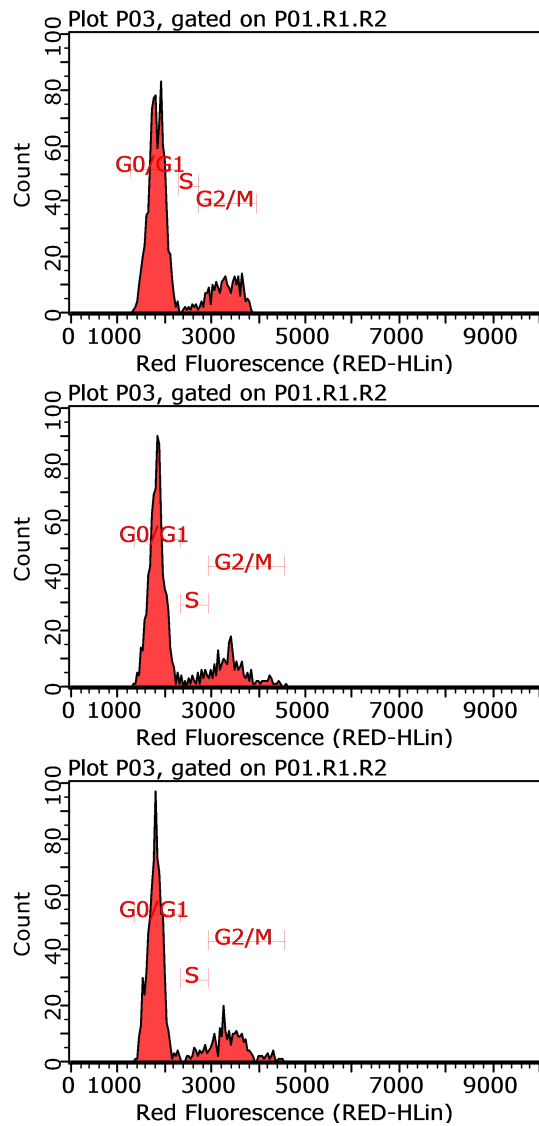
cell apoptosis





cell cycle

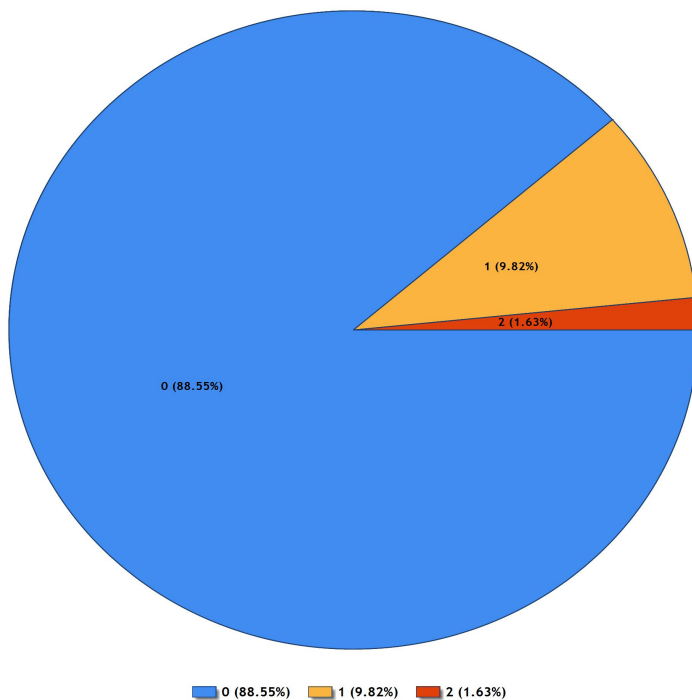


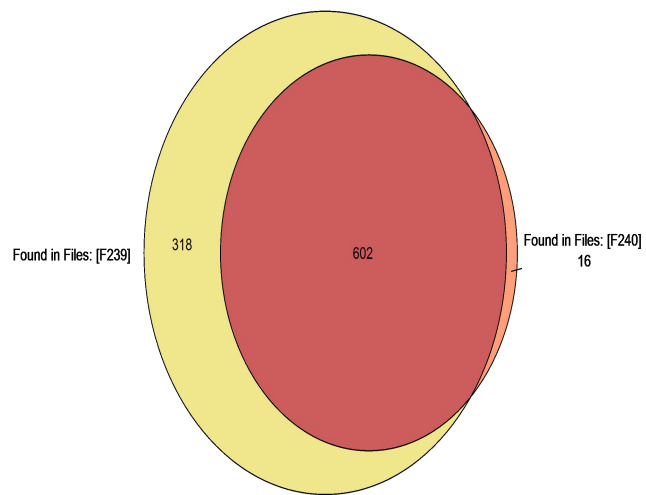
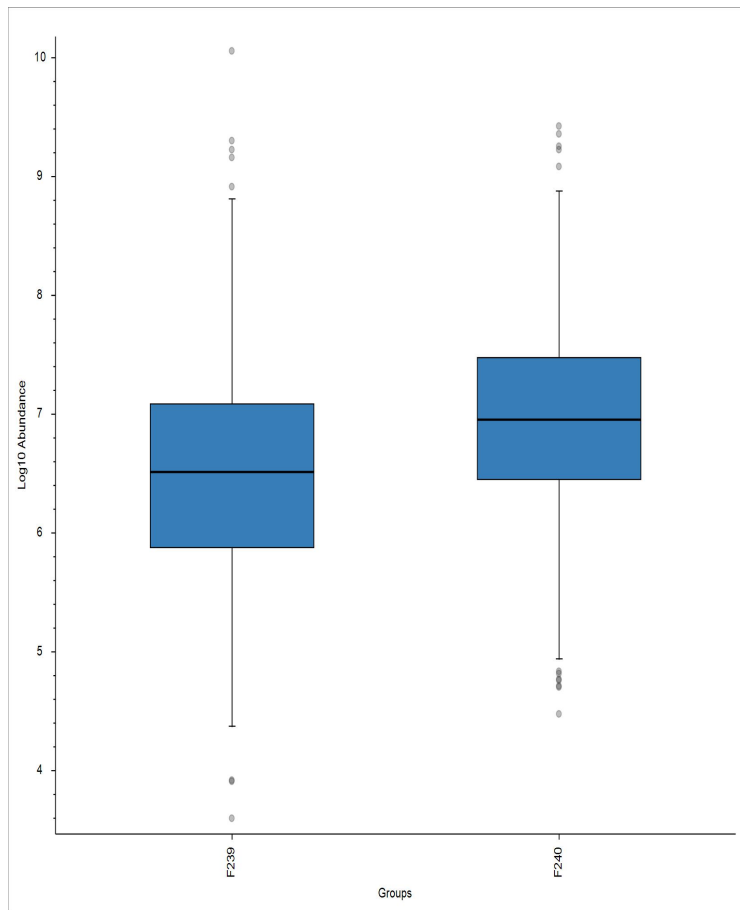


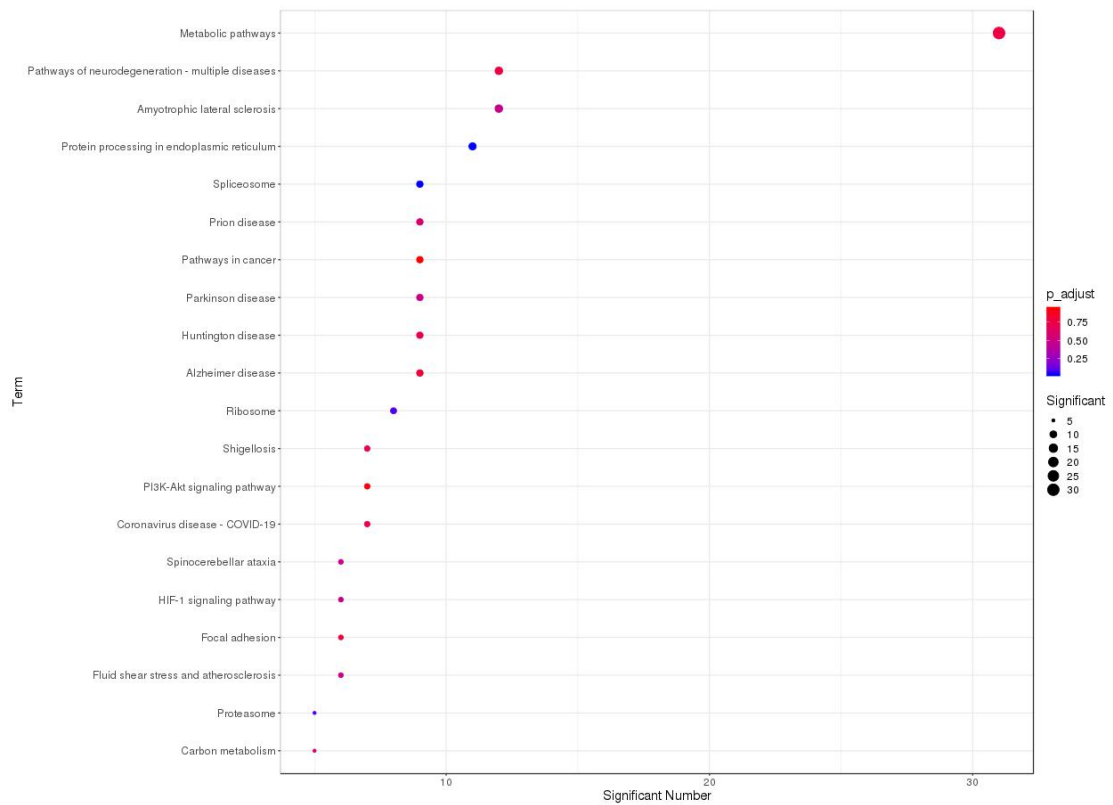
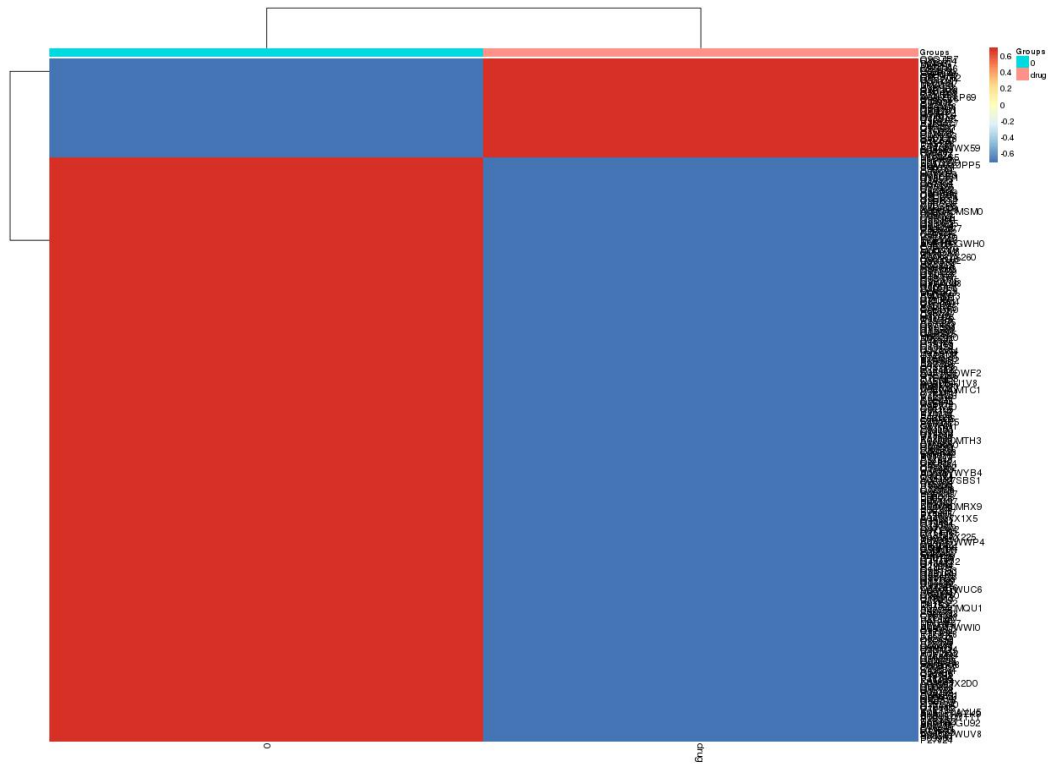
Proteomics

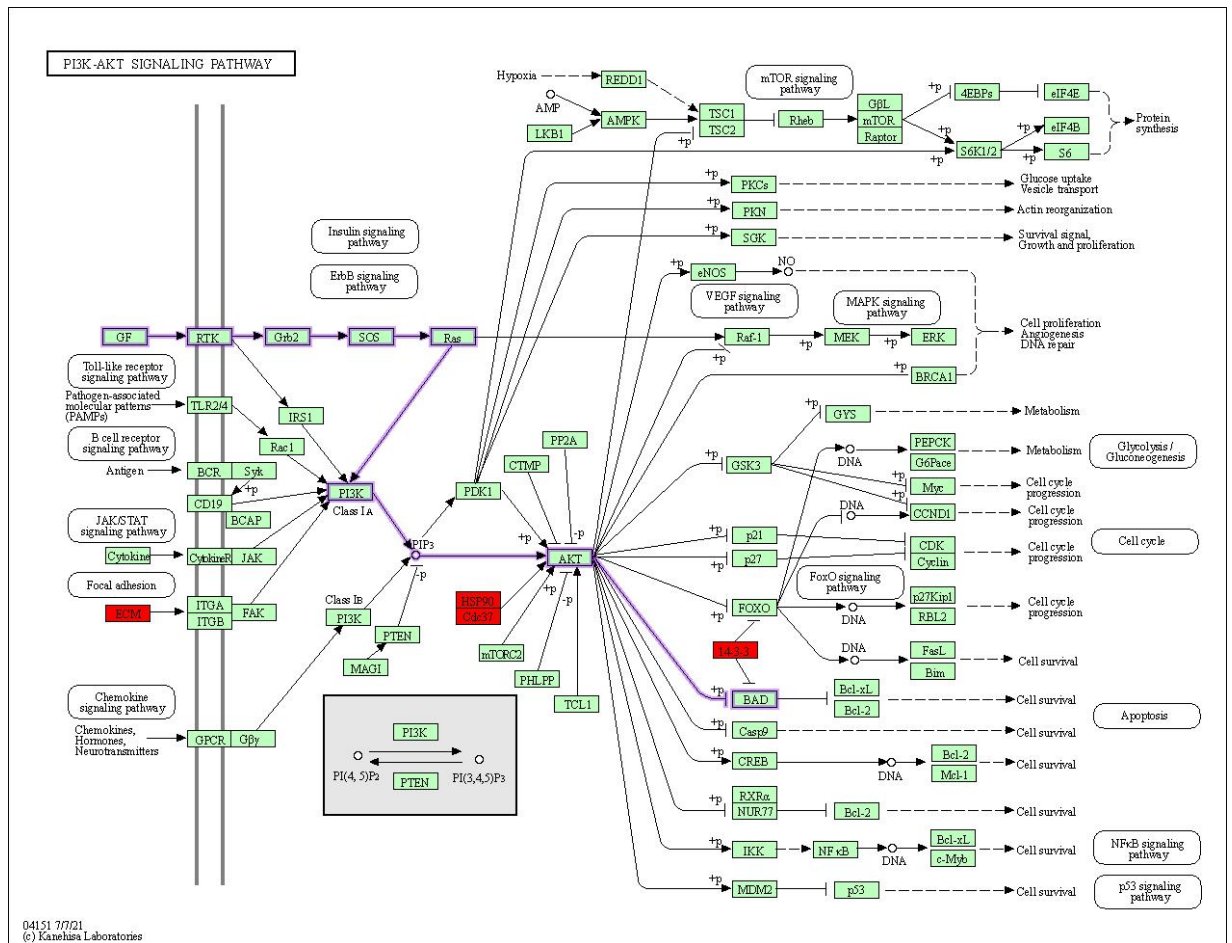
Checked	Protein FDI Master	Accession	Description	Exp. q-value	Contaminant	Sum PEP	Sc Coverage	# Peptides	# PSMs	# Unique P	# AAs	MW [kDa]	calc. pI	Score	Sequ	# Peptides
TRUE	High	Master ProI H0YNC7	Tropomyos	0	FALSE	109.134	43	13	61	1	223	25.6	4.64	88.49	13	13
TRUE	High	Master ProI P04264	Keratin, typ	0	FALSE	48.567	22	10	34	10	644	66	8.12	53.17	10	10
TRUE	High	Master ProI Q5JP53	Tubulin bet	0	FALSE	39.857	14	6	20	1	426	47.7	4.81	40.51	6	6
TRUE	High	Master ProI P55072	Transitiona	0	FALSE	37.186	6	4	6	4	806	89.3	5.26	20.47	4	4
TRUE	High	Master ProI A0A087WU	Basigin OS-	0	FALSE	35.524	25	3	6	3	189	20.5	6.68	20.47	3	3
TRUE	High	Master ProI P35527	Keratin, typ	0	FALSE	29.925	13	6	27	6	623	62	5.24	40.08	6	6
TRUE	High	Master ProI P06576	ATP synthase	0	FALSE	27.155	11	4	6	4	529	56.5	5.4	18.33	4	4
TRUE	High	Master ProI P13640	Metallothio	0	FALSE	26.406	66	3	28	1	62	6.1	7.96	51.15	3	3
TRUE	High	Master ProI Q562R1	Beta-actin	0	FALSE	23.877	14	5	40	1	376	42	5.59	67.29	5	5
TRUE	High	Master ProI P08238	Heat shock	0	FALSE	20.273	6	3	4	2	724	83.2	5.03	11.07	3	3
TRUE	High	Master ProI F5H0C8	Gamma-en	0	FALSE	19.906	10	2	6	1	315	34.7	4.87	14.8	2	2
TRUE	High	Master ProI P15924	Desmoplak	0	FALSE	19.317	2	7	14	7	2871	331.6	6.81	9.08	7	7
TRUE	High	Master ProI P14625	Endoplasm	0	FALSE	18.593	9	6	8	6	803	92.4	4.84	6.87	6	6
TRUE	High	Master ProI P53621	Coatomer s	0	FALSE	17.241	3	4	10	4	1224	138.3	7.66	13.22	4	4
TRUE	High	Master ProI P62241	40S ribosom	0	FALSE	16.994	13	3	3	3	208	24.2	10.32	10.05	3	3
TRUE	High	Master ProI A0A180GU5	Uncharacte	0	FALSE	15.988	7	2	4	2	557	59.8	6.62	12.65	2	2
TRUE	High	Master ProI P05204	Non-histon	0	FALSE	15.855	34	2	3	2	90	9.4	9.99	7.58	2	2
TRUE	High	Master ProI E9PCY7	Heterogeni	0	FALSE	15.737	9	2	2	1	429	47.1	6.34	8.15	2	2
TRUE	High	Master ProI Q969H8	Myeloid-de	0	FALSE	15.227	18	3	5	3	173	18.8	6.68	12.46	3	3
TRUE	High	Master ProI Q72406	Myosin-14	0	FALSE	15.179	1	3	5	1	1995	227.7	5.6	10.18	3	3

checked	Protein FDI Master	Accession	Description	Exp. q-value	Contaminant	Sum PEP	Sc Coverage	# Peptides	# PSMs	# Unique Pr	# AAs	MW [kDa]	calc. pI	Score Sequ	# Peptides	# R
FALSE	High	Master ProI P35579	Myosin-9 O	0	FALSE	386.531	25	50	182	47	1960	226.4	5.6	369.44	50	
FALSE	High	Master ProI Q5HY54	Filamin-A C	0	FALSE	320.798	29	48	164	45	2607	276.4	6.05	337.23	48	
FALSE	High	Master ProI Q09666	Neuroblast	0	FALSE	238.75	19	50	116	50	5890	628.7	6.15	199.31	50	
FALSE	High	Master ProI Q15149	Plectin OS-	0	FALSE	196.186	11	49	128	47	4684	531.5	5.96	236.69	49	
FALSE	High	Master ProI Q14315	Filamin-C C	0	FALSE	184.738	17	34	104	30	2725	290.8	5.97	201.19	34	
FALSE	High	Master ProI Q5TCU3	Tropomyos	0	FALSE	147.002	48	19	76	1	284	32.8	4.68	138.67	19	
FALSE	High	Master ProI Q6ZN40	Tropomyos	0	FALSE	143.563	39	17	83	0	326	37.4	4.72	135.28	17	
FALSE	High	Master ProI H0YL52	Tropomyos	0	FALSE	137.069	46	18	74	3	265	30.5	4.69	124.95	18	
FALSE	High	Master ProI P60709	Actin, cyto	0	FALSE	132.501	31	12	192	2	375	41.7	5.48	345.48	12	
FALSE	High	Master ProI P08670	Vimentin C	0	FALSE	130.716	41	21	117	19	466	53.6	5.12	193.33	21	
FALSE	High	Master ProI H7BY1	Tropomyos	0	FALSE	130.627	49	16	82	2	248	28.7	4.82	114.2	16	
FALSE	High	Master ProI P07355	Annexin A2	0	FALSE	114.689	38	14	66	14	339	38.6	7.75	131.39	14	
TRUE	High	Master ProI H0YNC7	Tropomyos	0	FALSE	109.134	43	13	61	1	223	25.6	4.64	88.49	13	
FALSE	High	Master ProI J3KN67	Tropomyos	0	FALSE	107.999	38	16	55	1	285	33.2	4.77	89.01	16	
FALSE	High	Master ProI A0A087WV	Tropomyos	0	FALSE	107.816	48	16	55	1	227	26.4	4.78	88.55	16	
FALSE	High	Master ProI P67936	Tropomyos	0	FALSE	102.334	34	14	59	4	248	28.5	4.69	91.75	14	
FALSE	High	Master ProI P63267	Actin, gamr	0	FALSE	94.793	23	10	156	1	376	41.9	5.48	265.1	10	
FALSE	High	Master ProI Q9P2E9	Ribosome-l	0	FALSE	90.342	32	23	60	23	1410	152.4	8.6	106.61	23	
FALSE	High	Master ProI P14618	Pyruvate ki	0	FALSE	89.841	25	9	20	9	531	57.9	7.84	66.47	9	
FALSE	High	Master ProI O75369	Filamin-B C	0	FALSE	87.546	9	18	41	14	2602	278	5.73	80.51	18	

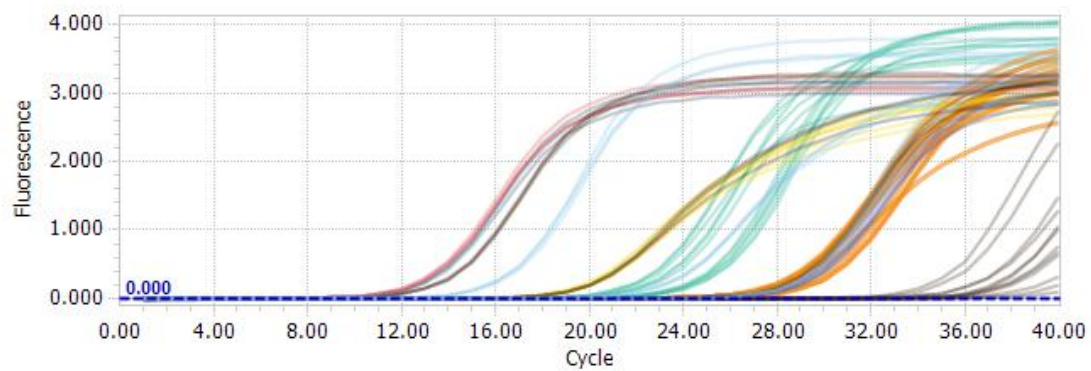


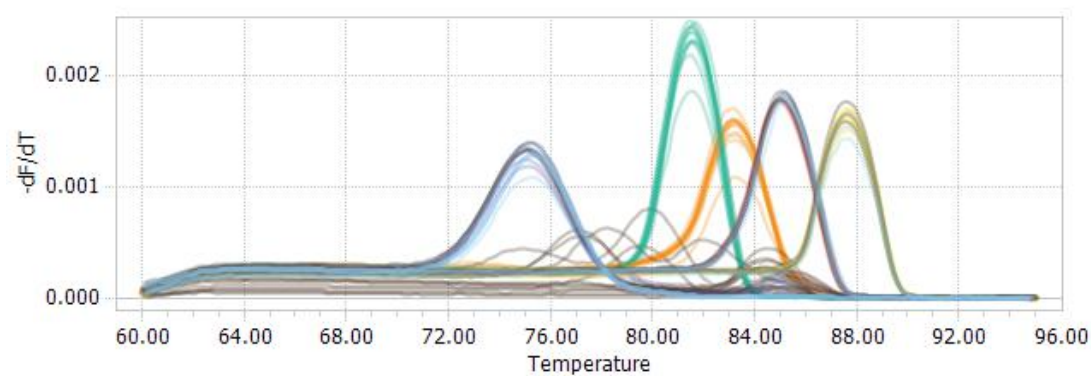






qRT-PCR





Color	Position	Gene Name	Cq	Concentr	Call	Excluded	Sample Ty	Standard	Cq	Mean	Cq	Error	Concentr	Concentr	Replicate	Dye	Edited	Cs	Slope	EPF
255,132,1A1		GAPDH	15.8	-	Positive	Unchecked	Unknown	-	15.83	0.07	-	-	-	A1	SYBR Green		0.89			
255,132,1A2		GAPDH	15.91	-	Positive	Unchecked	Unknown	-	15.83	0.07	-	-	-	A1	SYBR Green		0.9			
255,132,1A3		GAPDH	15.79	-	Positive	Unchecked	Unknown	-	15.83	0.07	-	-	-	A1	SYBR Green		1			
255,132,1A4		AKT	23.12	-	Positive	Unchecked	Unknown	-	23.18	0.06	-	-	-	A4	SYBR Green		0.57			
255,132,1A5		AKT	23.2	-	Positive	Unchecked	Unknown	-	23.18	0.06	-	-	-	A4	SYBR Green		0.6			
255,132,1A6		AKT	23.23	-	Positive	Unchecked	Unknown	-	23.18	0.06	-	-	-	A4	SYBR Green		0.55			
255,132,1A7		BCL-2	28.59	-	Positive	Unchecked	Unknown	-	28.59	0.03	-	-	-	A7	SYBR Green		0.92			
255,132,1A8		BCL-2	28.62	-	Positive	Unchecked	Unknown	-	28.59	0.03	-	-	-	A7	SYBR Green		0.8			
255,132,1A9		BCL-2	28.56	-	Positive	Unchecked	Unknown	-	28.59	0.03	-	-	-	A7	SYBR Green		0.98			
255,66,41B1		GAPDH	13.49	-	Positive	Unchecked	Unknown	-	13.53	0.04	-	-	-	B1	SYBR Green		0.78			
255,66,41B2		GAPDH	13.56	-	Positive	Unchecked	Unknown	-	13.53	0.04	-	-	-	B1	SYBR Green		0.75			
255,66,41B3		GAPDH	13.55	-	Positive	Unchecked	Unknown	-	13.53	0.04	-	-	-	B1	SYBR Green		0.78			
255,66,41B4		AKT	20.04	-	Positive	Unchecked	Unknown	-	20.04	0.01	-	-	-	B4	SYBR Green		0.5			
255,66,41B5		AKT	20.05	-	Positive	Unchecked	Unknown	-	20.04	0.01	-	-	-	B4	SYBR Green		0.49			
255,66,41B6		AKT	20.04	-	Positive	Unchecked	Unknown	-	20.04	0.01	-	-	-	B4	SYBR Green		0.42			
255,66,41B7		BCL-2	28.29	-	Positive	Unchecked	Unknown	-	28.43	0.12	-	-	-	B7	SYBR Green		0.73			
255,66,41B8		BCL-2	28.53	-	Positive	Unchecked	Unknown	-	28.43	0.12	-	-	-	B7	SYBR Green		0.79			
255,66,41B9		BCL-2	28.46	-	Positive	Unchecked	Unknown	-	28.43	0.12	-	-	-	B7	SYBR Green		0.83			
255,234,7C1		GAPDH	12.59	-	Positive	Unchecked	Unknown	-	12.56	0.07	-	-	-	C1	SYBR Green		0.71			
255,234,7C2		GAPDH	12.6	-	Positive	Unchecked	Unknown	-	12.56	0.07	-	-	-	C1	SYBR Green		0.71			
255,234,7C3		GAPDH	12.48	-	Positive	Unchecked	Unknown	-	12.56	0.07	-	-	-	C1	SYBR Green		0.77			
255,250,2C4		AKT	20.07	-	Positive	Unchecked	Unknown	-	20.11	0.04	-	-	-	C4	SYBR Green		0.48			
255,250,2C5		AKT	20.11	-	Positive	Unchecked	Unknown	-	20.11	0.04	-	-	-	C4	SYBR Green		0.46			
255,250,2C6		AKT	20.15	-	Positive	Unchecked	Unknown	-	20.11	0.04	-	-	-	C4	SYBR Green		0.42			
255,95,1C7		BCL-2	28.95	-	Positive	Unchecked	Unknown	-	28.88	0.1	-	-	-	C7	SYBR Green		0.66			
255,95,1C8		BCL-2	28.92	-	Positive	Unchecked	Unknown	-	28.88	0.1	-	-	-	C7	SYBR Green		0.73			
255,95,1C9		BCL-2	28.77	-	Positive	Unchecked	Unknown	-	28.88	0.1	-	-	-	C7	SYBR Green		0.74			

Western blotting

