Supplementary

Table S1 The composition of age and gender in the ASD and HC group

ID	Gender	Age (years)
ASD (n=18)		
ASD1	Male	5
ASD2	Male	5
ASD3	Male	7
ASD4	Female	4
ASD5	Male	3
ASD6	Male	4
ASD7	Male	3
ASD8	Male	7
ASD9	Female	4
ASD10	Male	4
ASD11	Male	6
ASD12	Male	7
ASD13	Male	6
ASD14	Male	4
ASD15	Male	8
ASD16	Female	4
ASD17	Male	5
ASD18	Male	4
HC (n=6)		
HC1	Male	6
HC2	Male	5
HC3	Male	5
HC4	Male	3
HC5	Male	5
HC6	Male	5

ASD, autism spectrum disorder; HC, healthy control.

Table S2 The variable isolation window of the DIA method

m/z	z	t start (min)	t stop (min)	Isolation window (m/z)
368.5	2	0	90	37
398	2	0	90	22
418.5	2	0	90	19
439	2	0	90	22
458.5	2	0	90	17
474	2	0	90	14
488.5	2	0	90	15
503	2	0	90	14
518	2	0	90	16
534.5	2	0	90	17
549.5	2	0	90	13
562.5	2	0	90	13
576	2	0	90	14
591	2	0	90	16
607.5	2	0	90	17
623	2	0	90	14
637	2	0	90	14
651.5	2	0	90	15
667.5	2	0	90	17
685.5	2	0	90	19
704	2	0	90	18
721.5	2	0	90	17
737.5	2	0	90	15
753.5	2	0	90	17
771	2	0	90	18
789.5	2	0	90	19
808	2	0	90	18
828.5	2	0	90	23
851.5	2	0	90	23
874.5	2	0	90	23
900.5	2	0	90	29
932.5	2	0	90	35
969	2	0	90	38
1013.5	2	0	90	51
1073.5	2	0	90	69
1253.5	2	0	90	291

m/z, mass-to-charge ratio; DIA, data-independent acquisition.

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Table S3 All biological processes were enriched in this study

Term	–log (P value)	Proteins
Viral budding via host ESCRT complex	16.161	Q9Y3E7, Q9BY43, Q96EY5, Q9UN37, Q7LBR1, Q8WV92, Q99816, Q8WUM4, O43633, O75351, Q9HD42
Multivesicular body assembly	14.347	Q9Y3E7, Q9BY43, Q96EY5, Q9UN37, Q7LBR1, Q9BRG1, Q99816, Q8WUM4, O43633, O75351, Q9HD42
Cell separation after cytokinesis	12.886	Q9Y3E7, Q9BY43, Q9UN37, Q7LBR1, Q8WV92, Q8WUM4, O43633, O75351, Q9HD42
Nucleus organization	9.538	Q9Y3E7, Q9BY43, Q9UN37, Q7LBR1, Q8WUM4, O43633, O75351, Q9HD42
Mitotic metaphase plate congression	8.377	Q9Y3E7, Q9BY43, Q9UN37, Q7LBR1, Q8WUM4, O43633, O75351, Q9HD42
regulation of mitotic spindle assembly	7.638	Q9Y3E7 Q7LBR1 Q8WUM4 O43633 O75351 Q9HD42
positive regulation of exosomal secretion	7.469	Q9UN37 O00560 Q99816 Q8WUM4 O43633 O75351
viral life cycle	7.310	Q9Y3E7 Q9BY43 Q9UN37 Q99816 Q8WUM4 O43633 O75351
protein transport	7.252	Q16348 Q9UN37 Q96EY5 Q8IX04 O43633 O75351 P51148 P50897 Q9Y3E7 O00161 Q7LBR1 P61204 P62834 Q99816 Q8WUM4 Q9HD42
regulation of centrosome duplication	6.886	Q9Y3E7 Q7LBR1 Q8WUM4 O43633 O75351 Q9HD42
endosomal transport	6.569	Q9Y3E7 Q9BY43 Q9UN37 Q9GZM7 Q9BRG1 Q99816 O43633 O75351
ESCRT III complex disassembly	6.420	Q9UN37 Q7LBR1 O43633 O75351 Q9HD42
positive regulation of viral release from host cell	6.222	Q9Y3E7 Q9UN37 Q99816 O43633 O75351
autophagy	5.523	Q9H0E2 Q9Y3E7 Q9BY43 Q96EY5 Q9UN37 Q9BRG1 Q99816 O43633 O75351
vacuolar transport	3.824	Q9BY43 Q7LBR1 O43633 Q9HD42
ubiquitin-dependent protein catabolic process via the multivesicular body sorting pathway	3.824	Q96EY5 Q9UN37 Q99816 O75351
ubiquitin-independent protein catabolic process via the multivesicular body sorting pathway	3.357	Q9UN37 Q8WUM4 O75351
regulation of viral process	3.187	Q9Y3E7 O43633 O75351
positive regulation of viral process	3.187	Q96EY5 Q99816 O75351
Ras protein signal transduction	2.921	P46109 P62070 O00560 P62873 P01111 113
protein folding	2.886	Q8NBS9 P63096 P62879 P02511 P08754 P62873 P14314
small GTPase mediated signal transduction	2.886	P63000 P61204 P62070 P62834 P51148 P36405 P60953 P01111
negative regulation of blood coagulation	2.553	P02749 P02649 P07204
protein polymerization	2.481	Q9Y3E7 Q9BY43 O43633
cell adhesion	2.444	Q8IWV2 P21926 Q9HBB8 P63000 P10586 Q9GZM7 P24821 P39060 Q9Y6N7 Q14254
proteolysis involved in cellular protein catabolic process	2.398	P07711 Q9GZM7 Q9H3G5 Q99538
axon guidance	2.367	P15311 Q8IWV2 P63000 O14786 Q9Y6N7 P01111
microvillus assembly	2.252	P15311 P62834 P61225
protein homooligomerization	2.174	Q9BY43 Q9NZN3 O43633 P02511 Q9H223 P27105
blood coagulation	2.108	P08758 P05160 P63000 Q9NZN3 P07204 P60953
epithelial cell differentiation	1.959	Q9H0E2 O00526 Q9UBD6 P21796
positive regulation of viral life cycle	1.886	Q9UN37 O75351
positive regulation of substrate adhesion-dependent cell spreading	1.721	P46109 P63000 P60953
ephrin receptor signaling pathway	1.699	P63000 O00560 Q92542 P60953
regulation of extracellular exosome assembly	1.699	Q9UN37 O75351
regulation of viral budding via host ESCRT complex	1.699	Q99816 Q8WUM4
positive regulation of viral budding via host ESCRT complex	1.699	Q9UN37 Q99816
late endosomal microautophagy	1.699	Q96EY5 Q99816
chemical synaptic transmission	1.658	P10586 O60939 O00560 P09543 P50897 Q14254
pinocytosis	1.585	P50897 Q9H223
positive regulation of extracellular exosome assembly	1.585	O00560 Q8WUM4
cellular response to glucagon stimulus	1.538	Q9BY43 P02649 P10912
negative regulation of neuron death	1.538	P63092 P62879 P62873
cell division	1.523	P63096 Q9UN37 Q7LBR1 Q99816 P08754 P60953 Q9HD42
platelet degranulation	1.495	P01033 Q13103 P21926 P02749
establishment or maintenance of apical/basal cell polarity	1.481	P15311 P60953
cellular protein modification process	1.481	P61088 O00462 Q99816 Q8IX04
receptor internalization	1.481	P15311 P21926 P10912
regulation of macroautophagy	1.456	P09936 O75348 P36543
vacuole organization	1.409	Q9UN37 O75351
hair follicle placode formation	1.409	Q9UN37 O75351
viral release from host cell	1.409	P63092 P60953
membrane invagination	1.409	Q9BY43 O43633
platelet activation	1.377	P21926 P63000 P61225 P62873
substantia nigra development	1.377	P09936 P09543 P60953
membrane budding	1.337	P15311 Q9HBB8
regulation of microvillus length	1.337	Q9BY43 Q9UN37
cellular response to catecholamine stimulus	1.337	P63092 P62873

ESCRT, endosomal sorting complex required for transport; GTPase, guanosine triphosphate hydrolase.

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