

Appendix Table S1 List of annotated proteins on gels of pH 4–7

pH 4–7							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
1	IPI00010290.1	65	IPI00011229.1	129	IPI00419237.2	193	IPI00003362.1
2	IPI00216085.2	66	IPI00100154.1	130	IPI00384697.1	194	IPI00022434.2
3	IPI00218660.3	67	IPI00550041	131	IPI00027165.2	195	IPI00007765.5
4	IPI00219219.2	68	IPI00305360.1	132	IPI00303476.1	196	IPI00007765.5
5	IPI00471928.4	69	IPI00007752.1	133	IPI00303476.1	197	IPI00022434.2
6	IPI00013760.3	70	IPI00011229.1	134	IPI00305719.7	198	IPI00022434.2
7	IPI00022432.1	71	IPI00021389.1	135	IPI00411626.2	199	IPI00022434.2
8	IPI00329033.5	72	IPI00454899.2	136	IPI00219713.1	200	IPI00022434.2
9	IPI00217236.3	73	IPI00303476.1	137	IPI00303476.1	201	IPI00305719.7
10	IPI00182933.3	74	IPI00384369.2	138	IPI00292858.4	202	IPI00442233.1
11	IPI00023527.5	75	IPI00021440.1	139	IPI00010796.1	203	IPI00022895.6
12	IPI00022420.3	76	IPI00027165.2	140	IPI00103467.3	204	IPI00479902
13	IPI00003362.1	77	IPI00027701.3	141	IPI00305719.7	205	IPI00011062.1
14	IPI00218733.5	78	IPI00169383.2	142	IPI00305719.7	206	IPI00027350.2
15	IPI00148063.1	79	IPI00027701.3	143	IPI00219713.1	207	IPI00604671
16	IPI00063827.1	80	IPI00024623.3	144	IPI00011654.2	208	IPI00374151.1
17	IPI00220301.4	81	IPI00021772.1	145	IPI00395646.1	209	IPI00515047.1
18	IPI00021841.1	82	IPI00016801.1	146	IPI00218914.4	210	IPI00382894.2
19	IPI00009367.1	83	IPI00024623.3	147	IPI00384697.1	211	IPI00456049.1
20	IPI00021841.1	84	IPI00514377.3	148	IPI00395646.1	212	IPI00030182.1
21	IPI00414489.1	85	IPI00024623.3	149	IPI00006663.1	213	IPI00001441.3
22	IPI00009367.1	86	IPI00008842.1	150	IPI00554648.1	214	IPI00375676.3
23	IPI00375513.2	87	IPI00289758.5	151	IPI00218914.4	215	IPI00218820.1
24	IPI00291328.3	88	IPI00008842.1	152	IPI00218914.4	216	IPI00479722.1
25	IPI00022434.2	89	IPI00024623.3	153	IPI00006663.1	217	IPI00026185.5
26	IPI00295741.4	90	IPI00554617.1	154	IPI00020599.1	218	IPI00220342.4
27	IPI00550041	91	IPI00414286.3	155	IPI00006663.1	219	IPI00298547.3
28	IPI00022434.2	92	IPI00021440.1	156	IPI00297779.6	220	IPI00218820.1
29	IPI00220669.1	93	IPI00021440.1	157	IPI00397498.1	221	IPI00019383.1
30	IPI00015911.1	94	IPI00021440.1	158	IPI00418411.4	222	IPI00005969.1
31	IPI00024911.1	95	IPI00006663.1	159	IPI00418411.4	223	IPI00295777.4
32	IPI00011937.1	96	IPI00021440.1	160	IPI00022434.2	224	IPI00011276.1
33	IPI00295741.4	97	IPI00472102.2	161	IPI00027230.3	225	IPI00549885.3
34	IPI00024911.1	98	IPI00009268.1	162	IPI00303476.1	226	IPI00556607.1
35	IPI00290553.2	99	IPI00021440.1	163	IPI00218343.4	227	IPI00470791.2
36	IPI00003766.4	100	IPI00554617.1	164	IPI00025252.1	228	IPI00513876.1
37	IPI00604625	101	IPI00009268.1	165	IPI00025252.1	229	IPI00515016.1
38	IPI00002520.1	102	IPI00550724	166	IPI00025252.1	230	IPI00015842.1
39	IPI00305286.1	103	IPI00005040.1	167	IPI00001441.3	231	IPI00604664.3
40	IPI00024993.4	104	IPI00465248.4	168	IPI00472102.2	232	IPI00029028.2
41	IPI00025512.2	105	IPI00216279.1	169	IPI00414286.3	233	IPI00334190.4
42	IPI00025512.2	106	IPI00384697.1	170	IPI00514561.1	234	IPI00398758.1
43	IPI00550724	107	IPI00303476.1	171	IPI00472102.2	235	IPI00556624
44	IPI00024993.4	108	IPI00554617.1	172	IPI00472102.2	236	IPI00465147.4
45	IPI00029997.1	109	IPI00465248.4	173	IPI00514561.1	237	IPI00014363.1
46	IPI00024993.4	110	IPI00402502.1	174	IPI00454899.2	238	IPI00552945.1
47	IPI00291922.2	111	IPI00096066.2	175	IPI00010720.1	239	IPI00218342.9
48	IPI00005668.4	112	IPI00554788.3	176	IPI00397498.1	240	IPI00328163.1
49	IPI00375788.1	113	IPI00021772.1	177	IPI00010720.1	241	IPI00413173.2
50	IPI00017334.1	114	IPI00003881.5	178	IPI00019987.2	242	IPI00556624
51	IPI00011229.1	115	IPI00022434.2	179	IPI00011062.1	243	IPI00073772.4

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pH 4–7							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
52	IPI00551023	116	IPI00472102.2	180	IPI00022434.2	244	IPI00477336
53	IPI00220271.2	117	IPI00418411.4	181	IPI00007765.5	245	IPI00216644
54	IPI00019755.3	118	IPI00013847.3	182	IPI00007765.5	246	IPI00385355.1
55	IPI00019755.3	119	IPI00554617.1	183	IPI00418471.5	247	IPI00030385.4
56	IPI00019888.1	120	IPI00384697.1	184	IPI00022488.1	248	IPI00002186.3
57	IPI00024896.2	121	IPI00010706.1	185	IPI00037070.1	249	IPI00011276.1
58	IPI00549467.2	122	IPI00027165.2	186	IPI00550724	250	IPI00178677
59	IPI00216136.1	123	IPI00220503.8	187	IPI00003362.1	251	IPI00410214.1
60	IPI00513830.1	124	IPI00026105.1	188	IPI00037070.1	252	IPI00017287.1
61	IPI00011229.1	125	IPI00554617.1	189	IPI00397498.1	253	IPI00017287.1
62	IPI00182768.5	126	IPI00419237.2	190	IPI00007765.5		
63	IPI00011229.1	127	IPI00384697.1	191	IPI00418471.5		
64	IPI00165360.4	128	IPI00554617.1	192	IPI00022434.2		

Appendix Table S2 List of annotated proteins on gels of pH 5–6

pH 5–6							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
1	IPI00218733.3	54	IPI00013847.3	113	IPI00329033.5	161	IPI00554788.2
2	IPI00022434.2	55	IPI00549319.2	114	IPI00217236.3	165	IPI00021772.1
4	IPI00027350.1	56	IPI00554648.1	115	IPI00027462.1	168	IPI00011654.2
5	IPI00375676.2	58	IPI00022434.2	116	IPI00470627.2	169	IPI00003362.1
8	IPI00022432.1	60	IPI00001441.3	117	IPI00022434.2	170	IPI00454899.2
10	IPI00027165.1	62	IPI00219713.1	118	IPI00375400.2	171	IPI00386438.2
11	IPI00216644.3	63	IPI00334190.4	119	IPI00472102.1	173	IPI00022434.2
12	IPI00480192.1	64	IPI00006663.1	120	IPI00006663.1	174	IPI00300086.3
13	IPI00019755.3	65	IPI00022434.2	121	IPI00021841.1	175	IPI00556624.1
14	IPI00022434.2	66	IPI00010720.1	122	IPI00021440.1	176	IPI00385355.1
17	IPI00025512.2	67	IPI00418411.4	123	IPI00011229.1	177	IPI00550041.1
18	IPI00148063.1	71	IPI00026185.4	124	IPI00455399.1	178	IPI00550724.3
20	IPI00024911.1	72	IPI00554788.2	127	IPI00011229.1	179	IPI00292858.4
21	IPI00030182.1	75	IPI00418411.4	129	IPI00216773.4	181	IPI00148063.1
22	IPI00024993.4	76	IPI00096066.2	130	IPI00009268.1	182	IPI00305719.7
23	IPI00011937.1	81	IPI00006663.1	131	IPI00384697.1	183	IPI00003362.1
24	IPI00554788.2	82	IPI00022434.2	133	IPI00017334.1	184	IPI00306959.7
26	IPI00216136.1	83	IPI00024623.3	134	IPI00021440.1	185	IPI00604796.1
27	IPI00021841.1	84	IPI00472102.1	135	IPI00007750.1	186	IPI00007765.5
28	IPI00479722.1	85	IPI00472102.1	136	IPI00295741.3	187	IPI00329033.5
29	IPI00011229.1	86	IPI00021440.1	137	IPI00021440.1	188	IPI00454899.2
30	IPI00420096.4	87	IPI00021440.1	138	IPI00007765.5	189	IPI00550724.3
31	IPI00007752.1	88	IPI00006663.1	139	IPI00025512.2	190	IPI00218568.4
32	IPI00017334.1	89	IPI00305719.7	140	IPI00218977.1	191	IPI00454899.2
33	IPI00011229.1	90	IPI00026105.1	142	IPI00024911.1	192	IPI00454899.2
34	IPI00025512.2	91	IPI00037070.1	143	IPI00472102.1	193	IPI00007247.3
35	IPI00021772.1	92	IPI00418411.4	144	IPI00022434.2	194	IPI00025512.2
36	IPI00011654.2	93	IPI00418411.4	145	IPI00216085.2	195	IPI00305719.7
37	IPI00013860.3	94	IPI00022434.2	146	IPI00024993.4	196	IPI00556624.1
38	IPI00005969.1	95	IPI00219713.1	147	IPI00010180.3	197	IPI00025363.1
39	IPI00549885.2	96	IPI00025252.1	148	IPI00024993.4	198	IPI00383165.1
42	IPI00008934.1	97	IPI00022434.2	149	IPI00024623.3	201	IPI00384947.1
44	IPI00008934.1	98	IPI00021440.1	150	IPI00006663.1	203	IPI00442233.1

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pH 5–6							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
45	IPI00017551.1	99	IPI00336008.1	151	IPI00009375.3	204	IPI00604590.1
46	IPI00010180.3	100	IPI00021841.1	152	IPI00007752.1	205	IPI00220301.4
47	IPI00295777.4	101	IPI00221225.2	153	IPI00017551.1	206	IPI00220969.1
48	IPI00009268.1	102	IPI00009367.1	154	IPI00063827.1	207	IPI00218660.3
49	IPI00384697.1	103	IPI00290553.2	155	IPI00009268.1	208	IPI00301293.1
50	IPI00022434.2	104	IPI00298547.3	156	IPI00010796.1	209	IPI00028425.2
51	IPI00024623.3	107	IPI00221225.2	157	IPI00013860.3		
52	IPI00022434.2	108	IPI00291643.3	158	IPI00556624.1		
53	IPI00554788.2	110	IPI00478540.1	160	IPI00011276.1		

Appendix Table S3 List of annotated proteins on gels of pH 5.5–6.7

pH 5.5–6.7							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
1	IPI00218407.5	35	IPI00024993.4	69	IPI00024911.1	104	IPI00555668.1
2	IPI00009367.1	36	IPI00556624.1	70	IPI00010290.1	105	IPI00217871.4
3	IPI00515046.1	37	IPI00016801.1	71	IPI00419237.1	107	IPI00218660.3
4	IPI00029733.1	38	IPI00061507.1	72	IPI00009268.1	108	IPI00218660.3
5	IPI00063827.1	39	IPI00005040.1	73	IPI00009532.4	109	IPI00333179.4
6	IPI00216279.1	40	IPI00216773.4	74	IPI00556624.1	110	IPI00006663.1
7	IPI00513830.1	41	IPI00025252.1	75	IPI00289524.3	117	IPI00017551.1
8	IPI00165360.4	42	IPI00182655.6	76	IPI00216085.2	119	IPI00011229.1
9	IPI00465436.3	43	IPI00556624.1	78	IPI00024993.4	120	IPI00022434.2
10	IPI00220669.1	44	IPI00025252.1	79	IPI00291419.5	121	IPI00023617.1
11	IPI00005668.3	45	IPI00556624.1	80	IPI00220301.4	125	IPI00298547.3
12	IPI00024993.4	46	IPI00009532.4	81	IPI00022434.2	127	IPI00010188.1
13	IPI00549467.2	47	IPI00011200.4	82	IPI00419237.1	129	IPI00029733.1
14	IPI00169383.2	48	IPI00401448.1	83	IPI00515046.1	130	IPI00009908.2
15	IPI00299639.4	49	IPI00022434.2	84	IPI00604625.1	131	IPI00024990.6
16	IPI00220301.4	50	IPI00477845.1	85	IPI00305360.1	132	IPI00019383.1
17	IPI00019383.1	51	IPI00219018.5	86	IPI00003766.4	133	IPI00024623.3
18	IPI00024911.1	52	IPI00550041.1	87	IPI00218342.9	134	IPI00030182.1
19	IPI00011937.1	53	IPI00290553.2	88	IPI00031708.1	135	IPI00024896.2
20	IPI00556624.1	54	IPI00008842.1	89	IPI00554617.1	136	IPI00011229.1
21	IPI00218899.2	55	IPI00029488.1	90	IPI00465248.4	138	IPI00218899.2
22	IPI00419237.1	56	IPI00011062.1	91	IPI00009532.4	139	IPI00009367.1
23	IPI00291560.4	57	IPI00220327.2	92	IPI00397498.1	140	IPI00009268.1
24	IPI00025252.1	58	IPI00037070.1	93	IPI00218914.4	141	IPI00555912.1
25	IPI00550041.1	59	IPI00556624.1	94	IPI00011062.1	142	IPI00549467.2
26	IPI00009268.1	60	IPI00556624.1	95	IPI00024896.2	143	IPI00031708.1
27	IPI00305719.7	61	IPI00550188.3	96	IPI00006663.1	144	IPI00009268.1
28	IPI00218914.4	62	IPI00011654.2	97	IPI00186290.5	145	IPI00006663.1
29	IPI00011229.1	63	IPI00027701.3	98	IPI00037070.1	146	IPI00063827.1
30	IPI00442827.1	64	IPI00024623.3	99	IPI00009367.1	147	IPI00216136.1
31	IPI00555912.1	65	IPI00295684.1	100	IPI00397144.2	148	IPI00305719.7
32	IPI00024993.4	66	IPI00556624.1	101	IPI00216279.1		
33	IPI00030182.1	67	IPI00451401.2	102	IPI00218660.3		
34	IPI00028425.2	68	IPI00027223.2	103	IPI00009367.1		

Appendix Table S4 List of annotated proteins on gels of pH 6–9

pH 6–9							
Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.	Spot No.	IPI No.
1	IPI00549697.1	111	IPI00465343.2	201	IPI00216644.3	261	IPI00218896.2
2	IPI00218297.9	112	IPI00465343.2	202	IPI00216644.3	262	IPI00218407.5
5	IPI00219029.2	113	IPI00473031.5	203	IPI00473031.5	263	IPI00030363.1
11	IPI00218407.5	114	IPI00291006.1	204	IPI00465343.2	264	IPI00030363.1
19	IPI00030363.1	117	IPI00465343.2	205	IPI00216138.5	265	IPI00020632.2
20	IPI00006934.1	119	IPI00218896.2	206	IPI00218896.2	268	IPI00001539.8
21	IPI00218407.5	120	IPI00218899.2	207	IPI00218896.2	269	IPI00218342.9
25	IPI00020632.2	121	IPI00218896.2	208	IPI00465343.2	272	IPI00030363.1
26	IPI00169383.2	122	IPI00291006.1	209	IPI00018342.4	274	IPI00024990.6
27	IPI00169383.2	123	IPI00216057.4	210	IPI00473031.5	275	IPI00020632.2
33	IPI00395676.1	125	IPI00218899.2	211	IPI00218899.2	279	IPI00395676.1
34	IPI00024990.6	126	IPI00513808.1	213	IPI00000874.1	282	IPI00001539.8
35	IPI00024990.6	127	IPI00292657.3	214	IPI00216644.3	283	IPI00219910.1
36	IPI00020632.2	129	IPI00473031.5	221	IPI00556624.1	284	IPI00219446.4
41	IPI00398768.1	130	IPI00000792.1	224	IPI00513808.1	285	IPI00219446.4
46	IPI00556366.1	132	IPI00414696.1	229	IPI00007052.4	287	IPI00219910.1
56	IPI00219018.5	133	IPI00513808.1	230	IPI00218896.2	289	IPI00219910.1
57	IPI00550188.3	134	IPI00009367.1	231	IPI00012011.3	303	IPI00454899.2
59	IPI00216057.4	135	IPI00001539.8	232	IPI00552774.2	308	IPI00219446.4
62	IPI00290462.4	136	IPI00001539.8	233	IPI00419585.6	310	IPI00454899.2
65	IPI00419903.1	137	IPI00001539.8	234	IPI00549466.1	312	IPI00294380.3
82	IPI00455206.1	139	IPI00000874.1	235	IPI00219018.5	321	IPI00551024.3
84	IPI00219018.5	141	IPI00000874.1	236	IPI00219018.5	331	IPI00016801.1
85	IPI00218407.5	145	IPI00001539.8	242	IPI00218899.2	332	IPI00016801.1
86	IPI00293721.3	157	IPI00218816.6	243	IPI00218899.2	334	IPI00465436.3
89	IPI00411706.1	161	IPI00218414.4	245	IPI00218988.2	354	IPI00008934.1
90	IPI00219018.5	165	IPI00218816.6	251	IPI00218407.5	358	IPI00016801.1
94	IPI00010810.1	169	IPI00218414.4	252	IPI00294398.1	363	IPI00218816.6
98	IPI00465343.2	176	IPI00218831.3	253	IPI00295386.6	365	IPI00296053.3
99	IPI00556624.1	180	IPI00027107.3	254	IPI00477522.1	368	IPI00017287.1
103	IPI00473031.5	182	IPI00513830.1	255	IPI00218899.2	371	IPI00333838.1
106	IPI00465343.2	193	IPI00556624.1	256	IPI00218407.5	374	IPI00028425.2
107	IPI00024990.6	194	IPI00550682.1	257	IPI00218407.5		
109	IPI00003482.1	195	IPI00550242.2	259	IPI00219018.5		
110	IPI00003482.1	199	IPI00473031.5	260	IPI00000792.1		