

Table S1. Proteomic analysis of the ICL: protein subfamilies identified by more than two peptides

Protein subfamily	Protein size	Peptides (per family)	Subfamily members	Peptides (per gene)	Gene specific peptides	ESTs
PtCenBP1	3903 AA	43	PtCenBP1			8
ICL9	209 AA	30	ICL9a	13	8	11
			ICL9b	14	7	1
			ICL9c	11	4	7
			ICL9d	11	2	0
ICL1a	181 AA	25	ICL1a	14	0*	4
			ICL1d	14	0*	5
			ICL1b	12	3	6
			ICL1c	13	4	6
ICL3a	193 AA	20	ICL3a	11	2	1
			ICL3d	13	4	3
			ICL3e	11	3	2
			ICL3f	11	2	2
ICL5	182 AA	20	ICL5a	16	1	5
			ICL5b	16	1	4
			ICL6a	16	1	7
			ICL6b	14	0	4
GSPATP00007371001	869 AA	15	GSPATP00007371001	10	7	1
			GSPATP00015324001	7	5	0
GSPATP00017054001	456 AA	13	GSPATP00017054001	9	5	3
			GSPATP00035271001	8	4	2
ICL7	185 AA	12	ICL7a	11	4	8
			ICL7b	8	1	6
Beta_tubulin	442 AA	12	tub_betaPT1	12	0	206
			tub_betaPT2	12	0	145
ICL1e	175 AA	10	ICL1e	8	0**	6
			ICL1g	8	0**	8
			PtCen8	4	1	0
			PtCen15	5	0	0
			PtCen10	5	0	0
			PtCen12	5	0	4
Striatin 4	257 AA	9	KdD6	4	0	3
			GSPATP00038161001	3	0	3
			KdD5	3	0	10
			KdD4	4	1	3
			KdD3	4	0	3
			KdD2	6	0	4
ICL8	185 AA	8	KdD1	5	0	6
			ICL8a	6	2	1
			ICL8b	6	2	8
			PtCenBP3	6	4	0
			PtCenBP2	3	1	0
			Alpha_tubulin	449 AA	6	tub_alphaPT3
tub_alphaPT4	6	0				76
tub_alphaPT2	6	0				72
tub_alphaPT1	4	0				296
tub_alphaPT1	2	0				264
tub_alphaPT8	5	0				17
Striatin 1	248 AA	6	KdG2	3	0	7
			KdG1	3	0	1
			GSPATP00004838001	3	0	6
			GSPATP00003161001	3	0	4
			KdG4	2	0	4
			KdG3	2	0	3
			KdG5	4	0	6

			GSPATP00030915001	4	0	2
			GSPATP00021965001	4	0	4
			KdG6	4	0	5
ICL3b		5	ICL3b	5	2	1
			ICL3g	5	0	1
GSPATP00020504001	279 AA	5	GSPATP00020504001	3	0	9
			GSPATP00027352001	3	0	4
			GSPATP00015160001	3	0	5
			GSPATP00007561001	2	0	4
			GSPATP00038112001	2	0	1
			GSPATP00014874001	3	0	0
			GSPATP00008270001	3	0	0
			GSPATP00013148001	3	0	0
			GSPATP00038461001	1	0	0
			GSPATP00013823001	1	0	3
ICL11	240 AA	4	ICL11a	4	2	0
			ICL11b	2	0	0
			ICL11c	3	1	2
Striatin 6	251 AA	4	GSPATP00036963001	4	0	5
			KdF2	4	0	9
			KdF1	4	0	6
			GSPATP00034214001	4	0	8
Striatin 5	249 AA	4	GSPATP00008626001	1	0	0
			KdE1	4	0	5
			KdE2	4	0	8
			KdE3	3	0	2
			KdE4	3	0	2
			KdE6	1	0	1
Striatin 2	313 AA	3	KdB2			254
GSPATP00008532001	537 AA	3	GSPATP00008532001	3	2	26
			GSPATP00012897001	1	0	0
ICL10	206 AA	2	ICL10a	2	1	0
			ICL10b	1	0	0
GSPATP00034697001	363 AA	2	GSPATP00034697001	2	1	41
			GSPATP00037510001	1	0	59
GSPATP00009071001	2189 AA	2	GSPATP00009071001			1
GSPATP00025189001	2175 AA	2	GSPATP00025189001			0

The table summarizes the different protein subfamilies identified by mass spectrometry. This table indicates the protein size, the total number of peptides matching each sub-family, the number of peptides matching each gene and the number of peptides that match only one gene. * indicates that even if ICL1ap and ICL1dp do not have specific peptides, at least one of them is present in the ICL, since 6 peptides are only shared by these proteins. **Similarly, 4 peptides are only found in ICL1ep and ICL1gp indicating that at least one of them is an ICL constituent. The number of sequenced ESTs, available at ParameciumDB (Arnaiz, 2007) gives an idea of the level of expression of each protein. For example tubulins and striatin2 present a very high level of expression (more than 200 ESTs) compared with the other proteins of the infraciliary lattice and are likely to be contaminant proteins.