

## SCLAP – Supplementary

### S60 (Benchmark Dataset used in all the previous work and SCLAP)

#### Stroma

O04121	O19906	O22265	O49562	P08973	P09976	P10871	P17745	P19954	P21240
P23225	P27140	P37107	P47999	P51375	P52032	P56772	P56807	Q02028	Q07204
Q195N6	Q39199	Q39639	Q42713	Q43869	Q84KI6	Q84N48	Q84N49	Q84RQ7	Q93W20
Q93W77	Q949U7	Q94B60	Q9FEC4	Q9FNS4	Q9FYT6	Q9LEM8	Q9M5P4	Q9MEF2	Q9S834
Q9SAA2	Q9SJE1	Q9SN86	Q9SXJ6	Q9XIK3	Q9XJ35				

#### Lumen

O22160	O22773	O22870	O23403	O49203	O49292	O49939	O80634	P00109	P00119
P08197	P11448	P12356	P13192	P43309	P43310	P43311	P81760	P82281	P82538
P82658	P82715	P82869	Q06215	Q08303	Q0WRJ7	Q8H1Q1	Q8VY52	Q9ASS6	Q9LDY5
Q9LM71	Q9LR64	Q9LU86	Q9LVV5	Q9LXX5	Q9LYR5	Q9S720	Q9SCY2	Q9SEL7	Q9SW33

#### Envelope

O24381	O65023	<b>O78500</b>	<b>O96799</b>	<b>P06264</b>	<b>P0CD40</b>	P19407	P20150	<b>P21218</b>	P23525
<b>P28527</b>	<b>P28540</b>	P29357	P29463	<b>P36494</b>	<b>P46249</b>	P46312	<b>P49461</b>	<b>P49542</b>	<b>P51274</b>
<b>Q2PMM9</b>	<b>Q37143</b>	Q38906	Q41364	Q41738	<b>Q5H8A5</b>	<b>Q859V1</b>	Q8GX78	Q8GXU8	Q8H0M1
Q8W1S1	Q93ZB2	Q949X0	Q94IG7	Q9LX31	<b>Q9MUK8</b>	Q9S7D1	Q9SEK3	Q9SM44	Q9STE8

#### Thylakoid Membrane

A0T0A7	O19928	O20030	O20250	O22591	O22609	O78476	O78477	O78478	O80860
O82261	O98679	O99019	P00289	P00306	P00311	P00314	P00319	P06289	P09144
P09974	P0C1D4	P11402	P11471	P12113	P12154	P12301	P12302	P12353	P12354
P12360	P13869	P15193	P20143	P23815	P23816	P26320	P27522	P30393	P30943
P31336	P31853	P32974	P32980	P35010	P35011	P35012	P35013	P36438	P46483
P49107	P49108	P49728	P51243	P51244	P51245	P56296	P56780	P60128	P61840
P83755	P92276	Q00433	Q00471	Q00821	Q00822	Q00823	Q01909	Q01931	Q02060
Q02758	Q02849	Q02850	Q02852	Q03965	Q06908	Q07300	Q07473	Q08362	Q1XDD1
Q1XDL1	Q2PMS9	Q39102	Q39709	Q40070	Q40297	Q40608	Q40609	Q40610	Q41643
Q41806	Q42395	Q42496	Q42687	Q43157	Q4G3B2	Q4VZP9	Q6B948	Q76FB0	Q7SIF9
Q7SIG0	Q84TU6	Q84V18	Q85AL8	Q85FN3	Q8GZR2	Q8H112	Q8HTL5	Q8LBP4	Q8LCA1
Q93WD2	Q9LLC6	Q9M6E8	Q9MUT1	Q9MUW2	Q9S713	Q9S7N7	Q9SBN6	Q9SL05	Q9SUI4
Q9TL15	Q9TM27	Q9TM28	Q9TM29	Q9XF89	Q9ZQS5	Q9ZVL6			

**Protein data, which were actually reported by UniprotKB to be residing in Thylakoid membrane, but included in the class “Envelope”, were highlighted.**

## SCLAP – Supplementary

### NS60 (Dataset used in SCLAP)

#### Stroma

B6RGY0	D2WL32	O22265	O22832	O23647	O49562	O64422	O82392	P10896	P16127
P17745	P27140	P34791	P37107	P42762	P47999	P52032	P52410	P54150	P56772
P56807	Q39199	Q43307	Q43870	Q6NPF9	Q84RQ7	Q8GTR4	Q8LD49	Q8LDU4	Q8LE52
Q8LEK4	Q8VY06	Q8VZT6	Q93W77	Q949U7	Q94B60	Q94F00	Q94K73	Q9AT00	Q9C5D0
Q9C667	Q9C9P4	Q9FG36	Q9FLW9	Q9FNJ8	Q9FUZ2	Q9FV53	Q9FYB5	Q9LI77	Q9LIK0
Q9LRM7	Q9LTX9	Q9LXC9	Q9LZ66	Q9M9F5	Q9S834	Q9SA96	Q9SAA2	Q9SCL7	Q9SEU6
Q9SEU7	Q9SEU8	Q9SF38	Q9SGS4	Q9SJE1	Q9SN86	Q9SSE7	Q9SXJ6	Q9SXJ7	Q9XFH9
Q9XIK3	Q9XJ35								

#### Lumen

O22160	O22773	O22870	O23403	O49203	O49292	O49939	O80634	P08197	P12356
P13192	P42699	P43309	P43310	P43311	P81760	P82281	P82538	P82658	P82715
P82869	Q06215	Q08303	Q0WRJ7	Q42029	Q8H1Q1	Q8VY52	Q9ASS6	Q9LDY5	Q9LM71
Q9LR64	Q9LU86	Q9LVV5	Q9LXX5	Q9LYR5	Q9S720	Q9SCY2	Q9SCY3	Q9SEL7	Q9SR70
Q9SW33									

#### Envelope

A2RVM0	B7ZWR6	D8WUA4	O22788	O48528	O65023	O80565	O80832	O81283	O82245
O82251	P21276	P46312	P48619	Q0P3P6	Q0WMZ5	Q0WUA3	Q0WVE9	Q0WWW9	Q15KI9
Q1H5C9	Q2KNB5	Q2KNB7	Q2V4B9	Q37050	Q37145	Q38833	Q38906	Q38932	Q38954
Q39002	Q3E9A0	Q3KTM0	Q53WP9	Q56X46	Q56ZZ7	Q5N9J9	Q5VQL3	Q5W676	Q652N5
Q66GI9	Q67ZM7	Q69SV0	Q69VR7	Q6ID99	Q6K965	Q6S5G3	Q6TBX7	Q75IQ4	Q7XR51
Q84K71	Q84N64	Q8GW20	Q8GXU8	Q8GZ79	Q8H0T6	Q8L4R0	Q8L7W1	Q8LFD1	Q8LPR9
Q8RY46	Q8VY16	Q8VYD4	Q8VYJ1	Q8W1S1	Q8W496	Q8W4G3	Q93VK5	Q93Y07	Q93ZB2
Q940U6	Q949X0	Q94AX5	Q94B38	Q9AUK4	Q9C5D6	Q9C5J8	Q9FHX2	Q9FIG9	Q9FK13
Q9FM67	Q9FMD5	Q9FTT3	Q9FY46	Q9LD43	Q9LF50	Q9LF61	Q9LI74	Q9LK65	Q9LTR2
Q9LUS2	Q9LVH5	Q9LVZ3	Q9LX31	Q9LZ20	Q9LZ76	Q9LZB8	Q9LZH8	Q9M0Z3	Q9M3H5
Q9M7I7	Q9M9Y8	Q9MBA2	Q9S7D1	Q9SAC0	Q9SHU7	Q9SK50	Q9SLD2	Q9SLF3	Q9STE8
Q9SVE7	Q9SZC9	Q9SZZ8	Q9T0H9	Q9XII1	Q9ZQZ9	Q9ZTZ7	Q9ZV24		

#### Thylakoid Membrane

A4GYN9	A8J785	A9THA7	B7FA90	B9DFX7	F4IQV7	O04921	O20030	O20031	O22609
O23166	O23342	O49347	O49668	O64738	O80796	O80860	O82261	O82390	O82660
P04778	P07891	P09144	P0C1D4	P0C325	P0CC32	P11490	P12085	P12124	P12154
P21218	P22666	P23230	P23321	P23577	P26526	P27202	P27521	P37256	P48269
P49107	P50369	P56753	P56761	P56776	P56777	P56778	P56779	P62100	P92276
Q00471	Q00914	Q01667	Q01909	Q07473	Q08362	Q0DFC9	Q1ACB3	Q37304	Q39102
Q39194	Q39249	Q41932	Q42593	Q56X52	Q5N800	Q5ZBY9	Q6ZG25	Q75KA9	Q7FB12
Q8GSJ6	Q8GT74	Q8GTZ9	Q8H0W1	Q8H112	Q8HTL5	Q8L718	Q8LBP4	Q8LCA1	Q8LE59
Q8LEU3	Q8S7E1	Q8W0Y8	Q93YN0	Q9C6Z1	Q9FGC7	Q9FGM0	Q9FIM2	Q9FN48	Q9FYL3
Q9LD37	Q9M024	Q9M591	Q9M5P3	Q9M9Z2	Q9S6Z8	Q9S713	Q9S714	Q9S7H1	Q9S7N7
Q9SAJ3	Q9SHE8	Q9SL05	Q9SUI4	Q9SUI5	Q9SUI6	Q9XF89	Q9XF91	Q9ZR03	Q9ZVL6

## SCLAP – Supplementary

### NS60\_A (Five Fold cross-validation data)

#### Fold 1

A2RVM0	O80832	Q0P3P6	Q2KNB5	F4IQV7	O49347	O82660	O23647	P27140	O49203
B7ZWR6	O81283	Q0WMZ5	Q2KNB7	O04921	O49668	P04778	O49562	P34791	O49292
D8WUA4	O82245	Q0WUA3	A4GYN9	O20030	O64738	P07891	O64422	P37107	O49939
O22788	O82251	Q0WVE9	A8J785	O20031	O80796	B6RGY0	O82392	O22160	O80634
O48528	P21276	Q0WWW9	A9THA7	O22609	O80860	D2WL32	P10896	O22773	O80565
O65023	P46312	Q15KI9	B7FA90	O23166	O82261	O22265	P16127	O22870	P48619
Q1H5C9	B9DFX7	O23342	O82390	O22832	P17745	O23403			

#### Fold 2

Q2V4B9	Q38954	Q56ZZ7	Q67ZM7	P0C1D4	P12154	P26526	P50369	P52410	Q43870
Q37050	Q39002	Q5N9J9	Q69SV0	P0C325	P21218	P27202	P56753	P54150	Q6NPF9
Q37145	Q3E9A0	Q5VQL3	Q69VR7	P0CC32	P22666	P27521	P56761	P56772	Q84RQ7
Q38833	Q3KTM0	Q5W676	Q6ID99	P11490	P23230	P37256	P42762	P56807	Q8GTR4
Q38906	Q53WP9	Q652N5	Q6K965	P12085	P23321	P48269	P47999	Q39199	Q8LD49
Q38932	Q56X46	Q66GI9	P09144	P12124	P23577	P49107	P52032	Q43307	P08197
P12356	P13192	P42699	P43309	P43310	P43311	P81760			

#### Fold 3

Q6S5G3	Q8GXU8	Q8RY46	Q93VK5	P92276	Q0DFC9	Q42593	Q8VZT6	Q9AT00	P82658
Q6TBX7	Q8GZ79	Q8VY16	Q93Y07	Q00471	Q1ACB3	Q56X52	Q93W77	Q9C5D0	P82715
Q75IQ4	Q8H0T6	Q8VYD4	P56776	Q00914	Q37304	Q5N800	Q949U7	Q9C667	P82869
Q7XR51	Q8L4R0	Q8VYJ1	P56777	Q01667	Q39102	Q8LDU4	Q94B60	Q9C9P4	Q06215
Q84K71	Q8L7W1	Q8W1S1	P56778	Q01909	Q39194	Q8LE52	Q94F00	P82281	Q08303
Q84N64	Q8LFD1	Q8W496	P56779	Q07473	Q39249	Q8LEK4	Q94K73	P82538	Q0WRJ7
Q8GW20	Q8LPR9	Q8W4G3	P62100	Q08362	Q41932	Q8VY06			

#### Fold 4

Q93ZB2	Q9C5J8	Q9FY46	Q9LUS2	Q8GT74	Q8LCA1	Q9FGC7	Q9FV53	Q9LXC9	Q8VY52
Q940U6	Q9FHX2	Q9LD43	Q9LVH5	Q8GTZ9	Q8LE59	Q9FGM0	Q9FYB5	Q9LZ66	Q9ASS6
Q949X0	Q9FIG9	Q9LF50	Q5ZBY9	Q8H0W1	Q8LEU3	Q9FIM2	Q9LI77	Q9M9F5	Q9LDY5
Q94AX5	Q9FK13	Q9LF61	Q6ZG25	Q8H112	Q8S7E1	Q9FG36	Q9LIK0	Q9S834	Q9LM71
Q94B38	Q9FM67	Q9LI74	Q75KA9	Q8HTL5	Q8W0Y8	Q9FLW9	Q9LRM7	Q42029	Q9LR64
Q9AUK4	Q9FMD5	Q9LK65	Q7FB12	Q8L718	Q93YN0	Q9FNJ8	Q9LTX9	Q8H1Q1	Q9LU86
Q9C5D6	Q9FTT3	Q9LTR2	Q8GSJ6	Q8LBP4	Q9C6Z1	Q9FUZ2			

#### Fold 5

Q9LVZ3	Q9M7I7	Q9SLF3	Q9ZTZ7	Q9M5P3	Q9SAJ3	Q9XF91	Q9SEU7	Q9SXJ6	Q9LYR5
Q9LX31	Q9M9Y8	Q9STE8	Q9ZV24	Q9M9Z2	Q9SHE8	Q9ZR03	Q9SEU8	Q9SXJ7	Q9S720
Q9LZ20	Q9MBA2	Q9SVE7	Q9FN48	Q9S6Z8	Q9SL05	Q9ZVL6	Q9SF38	Q9XFH9	Q9SCY2
Q9LZ76	Q9S7D1	Q9SZC9	Q9FYL3	Q9S713	Q9SUI4	Q9SA96	Q9SGS4	Q9XIK3	Q9SCY3
Q9LZB8	Q9SAC0	Q9SZZ8	Q9LD37	Q9S714	Q9SUI5	Q9SAA2	Q9SJE1	Q9XJ35	Q9SEL7
Q9LZH8	Q9SHU7	Q9T0H9	Q9M024	Q9S7H1	Q9SUI6	Q9SCL7	Q9SN86	Q9LVV5	Q9SR70
Q9M0Z3	Q9SK50	Q9XIII	Q9M591	Q9S7N7	Q9XF89	Q9SEU6	Q9SSE7	Q9LXX5	Q9SW33
Q9M3H5	Q9SLD2	Q9ZQZ9							

**PS\_1 (Prediction by SCLAP on Chloroplast protein data from PLPROT)**

<b>S.No</b>	<b>PLPROT ID</b>		<b>SCLAP Predicted Location</b>
1.	plp_at_01963	-->	Thylakoid Membrane
2.	plp_at_01964	-->	Thylakoid Membrane
3.	plp_at_01965	-->	Envelope
4.	plp_at_01966	-->	Lumen
5.	plp_at_01967	-->	Envelope
6.	plp_at_01968	-->	Envelope
7.	plp_at_01969	-->	Envelope
8.	plp_at_01970	-->	Thylakoid Membrane
9.	plp_at_01971	-->	Thylakoid Membrane
10.	plp_at_01972	-->	Thylakoid Membrane
11.	plp_at_01973	-->	Lumen
12.	plp_at_01974	-->	Thylakoid Membrane
13.	plp_at_01975	-->	Lumen
14.	plp_at_01976	-->	Thylakoid Membrane
15.	plp_at_01977	-->	Thylakoid Membrane
16.	plp_at_01978	-->	Stroma
17.	plp_at_01979	-->	Lumen
18.	plp_at_01980	-->	Thylakoid Membrane
19.	plp_at_01981	-->	Thylakoid Membrane
20.	plp_at_01982	-->	Stroma
21.	plp_at_01983	-->	Thylakoid Membrane
22.	plp_at_01984	-->	Lumen
23.	plp_at_01985	-->	Thylakoid Membrane
24.	plp_at_01986	-->	Lumen
25.	plp_at_01987	-->	Lumen
26.	plp_at_01988	-->	Thylakoid Membrane
27.	plp_at_01989	-->	Lumen
28.	plp_at_01990	-->	Envelope
29.	plp_at_01991	-->	Lumen
30.	plp_at_01992	-->	Thylakoid Membrane
31.	plp_at_01993	-->	Thylakoid Membrane
32.	plp_at_01994	-->	Envelope
33.	ID:unknown	-->	Thylakoid Membrane
34.	ID:unknown	-->	Envelope
35.	ID:unknown	-->	Thylakoid Membrane
36.	plp_at_00001	-->	Lumen
37.	ID:unknown	-->	Thylakoid Membrane
38.	plp_at_00002	-->	Envelope
39.	plp_at_00003	-->	Lumen
40.	plp_at_00004	-->	Lumen
41.	plp_at_00005	-->	Lumen
42.	plp_at_00006	-->	Lumen
43.	plp_at_00007	-->	Thylakoid Membrane
44.	plp_at_00008	-->	Lumen
45.	plp_at_00009	-->	Thylakoid Membrane
46.	plp_at_00010	-->	Stroma
47.	plp_at_00011	-->	Stroma
48.	plp_at_00012	-->	Envelope
49.	plp_at_00013	-->	Lumen
50.	plp_at_00014	-->	Lumen
51.	plp_at_00015	-->	Lumen
52.	plp_at_00016	-->	Lumen
53.	plp_at_00017	-->	Envelope

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54.	plp_at_00018	-->	Envelope
55.	plp_at_00019	-->	Lumen
56.	ID:unknown	-->	Lumen
57.	ID:unknown	-->	Lumen
58.	plp_at_00020	-->	Envelope
59.	plp_at_00021	-->	Envelope
60.	plp_at_00022	-->	Lumen
61.	plp_at_00023	-->	Stroma
62.	ID:unknown	-->	Lumen
63.	plp_at_00024	-->	Envelope
64.	plp_at_00025	-->	Envelope
65.	plp_at_00026	-->	Thylakoid Membrane
66.	plp_at_00027	-->	Envelope
67.	plp_at_00028	-->	Lumen
68.	plp_at_00029	-->	Lumen
69.	plp_at_00030	-->	Lumen
70.	plp_at_00031	-->	Lumen
71.	plp_at_00032	-->	Lumen
72.	plp_at_00033	-->	Envelope
73.	plp_at_00034	-->	Stroma
74.	plp_at_00035	-->	Envelope
75.	plp_at_00036	-->	Lumen
76.	plp_at_00037	-->	Lumen
77.	plp_at_00038	-->	Lumen
78.	plp_at_00039	-->	Envelope
79.	plp_at_00040	-->	Envelope
80.	plp_at_00041	-->	Envelope
81.	plp_at_00042	-->	Thylakoid Membrane
82.	plp_at_00043	-->	Lumen
83.	plp_at_00044	-->	Lumen
84.	plp_at_00045	-->	Envelope
85.	plp_at_00046	-->	Thylakoid Membrane
86.	plp_at_00047	-->	Lumen
87.	ID:unknown	-->	Envelope
88.	plp_at_00048	-->	Thylakoid Membrane
89.	plp_at_00049	-->	Lumen
90.	ID:unknown	-->	Lumen
91.	plp_at_00050	-->	Thylakoid Membrane
92.	plp_at_00051	-->	Stroma
93.	plp_at_00052	-->	Stroma
94.	ID:unknown	-->	Stroma
95.	plp_at_00053	-->	Lumen
96.	ID:unknown	-->	Stroma
97.	plp_at_00054	-->	Envelope
98.	plp_at_00055	-->	Lumen
99.	plp_at_00056	-->	Thylakoid Membrane
100.	plp_at_00057	-->	Lumen
101.	plp_at_00058	-->	Envelope
102.	plp_at_00059	-->	Envelope
103.	plp_at_00060	-->	Thylakoid Membrane
104.	plp_at_00061	-->	Envelope
105.	plp_at_00062	-->	Lumen
106.	plp_at_00063	-->	Envelope
107.	plp_at_00064	-->	Envelope
108.	ID:unknown	-->	Lumen
109.	plp_at_00065	-->	Envelope
110.	ID:unknown	-->	Lumen

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111.	plp_at_00066	-->	Thylakoid Membrane
112.	plp_at_00067	-->	Stroma
113.	plp_at_00068	-->	Lumen
114.	plp_at_00069	-->	Lumen
115.	plp_at_00070	-->	Lumen
116.	plp_at_00071	-->	Envelope
117.	plp_at_00072	-->	Lumen
118.	plp_at_00073	-->	Envelope
119.	plp_at_00074	-->	Stroma
120.	plp_at_00075	-->	Thylakoid Membrane
121.	plp_at_00076	-->	Stroma
122.	plp_at_00077	-->	Stroma
123.	plp_at_00078	-->	Lumen
124.	plp_at_00079	-->	Stroma
125.	plp_at_00080	-->	Envelope
126.	plp_at_00081	-->	Envelope
127.	plp_at_00082	-->	Lumen
128.	plp_at_00083	-->	Thylakoid Membrane
129.	plp_at_00084	-->	Lumen
130.	plp_at_00085	-->	Lumen
131.	plp_at_00086	-->	Lumen
132.	plp_at_00087	-->	Thylakoid Membrane
133.	plp_at_00088	-->	Thylakoid Membrane
134.	plp_at_00089	-->	Lumen
135.	plp_at_00090	-->	Lumen
136.	plp_at_00091	-->	Envelope
137.	plp_at_00092	-->	Lumen
138.	plp_at_00093	-->	Stroma
139.	ID:unknown	-->	Stroma
140.	plp_at_00094	-->	Stroma
141.	plp_at_00095	-->	Lumen
142.	plp_at_00096	-->	Thylakoid Membrane
143.	plp_at_00097	-->	Thylakoid Membrane
144.	plp_at_00098	-->	Envelope
145.	plp_at_00099	-->	Stroma
146.	ID:unknown	-->	Envelope
147.	plp_at_00100	-->	Lumen
148.	plp_at_00101	-->	Lumen
149.	plp_at_00102	-->	Lumen
150.	plp_at_00103	-->	Lumen
151.	plp_at_00104	-->	Lumen
152.	plp_at_00105	-->	Lumen
153.	plp_at_00106	-->	Thylakoid Membrane
154.	plp_at_00107	-->	Stroma
155.	plp_at_00108	-->	Stroma
156.	plp_at_00109	-->	Stroma
157.	plp_at_00110	-->	Lumen
158.	plp_at_00111	-->	Lumen
159.	plp_at_00112	-->	Envelope
160.	plp_at_00113	-->	Envelope
161.	plp_at_00114	-->	Stroma
162.	plp_at_00115	-->	Lumen
163.	plp_at_00116	-->	Thylakoid Membrane
164.	plp_at_00117	-->	Envelope
165.	plp_at_00118	-->	Thylakoid Membrane
166.	plp_at_00119	-->	Thylakoid Membrane
167.	plp_at_00120	-->	Stroma

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## SCLAP – Supplementary

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168.	plp_at_00121	-->	Envelope
169.	plp_at_00122	-->	Stroma
170.	plp_at_00123	-->	Envelope
171.	plp_at_00124	-->	Stroma
172.	plp_at_00125	-->	Lumen
173.	plp_at_00126	-->	Lumen
174.	plp_at_00127	-->	Thylakoid Membrane
175.	plp_at_00128	-->	Lumen
176.	plp_at_00129	-->	Envelope
177.	plp_at_00130	-->	Envelope
178.	plp_at_00131	-->	Lumen
179.	plp_at_00132	-->	Stroma
180.	plp_at_00133	-->	Envelope
181.	plp_at_00134	-->	Envelope
182.	plp_at_00135	-->	Thylakoid Membrane
183.	plp_at_00136	-->	Lumen
184.	plp_at_00137	-->	Envelope
185.	ID:unknown	-->	Envelope
186.	plp_at_00138	-->	Lumen
187.	plp_at_00139	-->	Stroma
188.	plp_at_00140	-->	Stroma
189.	plp_at_00141	-->	Envelope
190.	plp_at_00142	-->	Lumen
191.	plp_at_00143	-->	Envelope
192.	plp_at_00144	-->	Envelope
193.	plp_at_00145	-->	Stroma
194.	plp_at_00146	-->	Lumen
195.	plp_at_00147	-->	Envelope
196.	plp_at_00148	-->	Lumen
197.	plp_at_00149	-->	Thylakoid Membrane
198.	ID:unknown	-->	Envelope
199.	plp_at_00150	-->	Lumen
200.	plp_at_00151	-->	Lumen
201.	plp_at_00152	-->	Lumen
202.	plp_at_00153	-->	Lumen
203.	plp_at_00154	-->	Thylakoid Membrane
204.	plp_at_00155	-->	Envelope
205.	plp_at_00156	-->	Envelope
206.	plp_at_00157	-->	Thylakoid Membrane
207.	plp_at_00158	-->	Lumen
208.	plp_at_00159	-->	Envelope
209.	plp_at_00160	-->	Lumen
210.	plp_at_00161	-->	Envelope
211.	plp_at_00162	-->	Envelope
212.	plp_at_00163	-->	Envelope
213.	plp_at_00164	-->	Lumen
214.	plp_at_00165	-->	Envelope
215.	plp_at_00166	-->	Thylakoid Membrane
216.	plp_at_00167	-->	Envelope
217.	plp_at_00168	-->	Lumen
218.	plp_at_00169	-->	Thylakoid Membrane
219.	plp_at_00170	-->	Thylakoid Membrane
220.	plp_at_00171	-->	Stroma
221.	plp_at_00172	-->	Stroma
222.	plp_at_00173	-->	Lumen
223.	plp_at_00174	-->	Stroma
224.	ID:unknown	-->	Lumen

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## SCLAP – Supplementary

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225.	plp_at_00175	-->	Lumen
226.	plp_at_00176	-->	Thylakoid Membrane
227.	plp_at_00177	-->	Envelope
228.	plp_at_00178	-->	Stroma
229.	ID:unknown	-->	Lumen
230.	plp_at_00179	-->	Stroma
231.	ID:unknown	-->	Thylakoid Membrane
232.	plp_at_00180	-->	Lumen
233.	plp_at_00181	-->	Stroma
234.	plp_at_00182	-->	Lumen
235.	plp_at_00183	-->	Thylakoid Membrane
236.	plp_at_00184	-->	Thylakoid Membrane
237.	ID:unknown	-->	Envelope
238.	plp_at_00185	-->	Lumen
239.	plp_at_00186	-->	Lumen
240.	plp_at_00187	-->	Lumen
241.	plp_at_00188	-->	Lumen
242.	plp_at_00189	-->	Envelope
243.	plp_at_00190	-->	Lumen
244.	plp_at_00191	-->	Envelope
245.	plp_at_00192	-->	Envelope
246.	plp_at_00193	-->	Stroma
247.	plp_at_00194	-->	Stroma
248.	plp_at_00195	-->	Lumen
249.	plp_at_00196	-->	Envelope
250.	plp_at_00197	-->	Envelope
251.	plp_at_00198	-->	Lumen
252.	plp_at_00199	-->	Lumen
253.	plp_at_00200	-->	Lumen
254.	plp_at_00201	-->	Thylakoid Membrane
255.	plp_at_00202	-->	Lumen
256.	plp_at_00203	-->	Thylakoid Membrane
257.	plp_at_00204	-->	Lumen
258.	ID:unknown	-->	Stroma
259.	plp_at_00205	-->	Lumen
260.	ID:unknown	-->	Stroma
261.	ID:unknown	-->	Stroma
262.	plp_at_00206	-->	Envelope
263.	plp_at_00207	-->	Stroma
264.	plp_at_00208	-->	Lumen
265.	plp_at_00209	-->	Thylakoid Membrane
266.	plp_at_00210	-->	Stroma
267.	plp_at_00211	-->	Stroma
268.	plp_at_00212	-->	Stroma
269.	ID:unknown	-->	Stroma
270.	plp_at_00213	-->	Lumen
271.	plp_at_00214	-->	Lumen
272.	ID:unknown	-->	Lumen
273.	plp_at_00215	-->	Stroma
274.	ID:unknown	-->	Stroma
275.	ID:unknown	-->	Thylakoid Membrane
276.	plp_at_00216	-->	Envelope
277.	plp_at_00217	-->	Lumen
278.	plp_at_00218	-->	Envelope
279.	plp_at_00219	-->	Envelope
280.	plp_at_00220	-->	Lumen
281.	plp_at_00221	-->	Lumen

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## SCLAP – Supplementary

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282.	plp_at_00222	-->	Stroma
283.	plp_at_00223	-->	Thylakoid Membrane
284.	ID:unknown	-->	Lumen
285.	plp_at_00224	-->	Stroma
286.	plp_at_00225	-->	Stroma
287.	plp_at_00226	-->	Lumen
288.	plp_at_00227	-->	Lumen
289.	plp_at_00228	-->	Thylakoid Membrane
290.	ID:unknown	-->	Envelope
291.	plp_at_00229	-->	Stroma
292.	plp_at_00230	-->	Lumen
293.	plp_at_00231	-->	Stroma
294.	plp_at_00232	-->	Stroma
295.	plp_at_00233	-->	Lumen
296.	ID:unknown	-->	Envelope
297.	plp_at_00234	-->	Lumen
298.	plp_at_00235	-->	Stroma
299.	plp_at_00236	-->	Lumen
300.	ID:unknown	-->	Thylakoid Membrane
301.	plp_at_00237	-->	Lumen
302.	plp_at_00238	-->	Stroma
303.	plp_at_00239	-->	Stroma
304.	ID:unknown	-->	Lumen
305.	plp_at_00240	-->	Envelope
306.	plp_at_00241	-->	Envelope
307.	plp_at_00242	-->	Thylakoid Membrane
308.	plp_at_00243	-->	Lumen
309.	plp_at_00244	-->	Lumen
310.	plp_at_00245	-->	Stroma
311.	ID:unknown	-->	Stroma
312.	plp_at_00246	-->	Stroma
313.	plp_at_00247	-->	Stroma
314.	plp_at_00248	-->	Stroma
315.	plp_at_00249	-->	Stroma
316.	ID:unknown	-->	Stroma
317.	plp_at_00250	-->	Envelope
318.	ID:unknown	-->	Thylakoid Membrane
319.	plp_at_00251	-->	Lumen
320.	ID:unknown	-->	Stroma
321.	ID:unknown	-->	Thylakoid Membrane
322.	plp_at_00252	-->	Envelope
323.	plp_at_00253	-->	Lumen
324.	ID:unknown	-->	Thylakoid Membrane
325.	plp_at_00254	-->	Lumen
326.	plp_at_00255	-->	Envelope
327.	plp_at_00256	-->	Envelope
328.	plp_at_00257	-->	Thylakoid Membrane
329.	plp_at_00258	-->	Thylakoid Membrane
330.	plp_at_00259	-->	Thylakoid Membrane
331.	ID:unknown	-->	Stroma
332.	plp_at_00260	-->	Envelope
333.	ID:unknown	-->	Stroma
334.	plp_at_00261	-->	Stroma
335.	plp_at_00262	-->	Lumen
336.	plp_at_00263	-->	Lumen
337.	plp_at_00264	-->	Stroma
338.	plp_at_00265	-->	Lumen

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## SCLAP – Supplementary

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339.	ID:unknown	-->	Envelope
340.	plp_at_00266	-->	Envelope
341.	plp_at_00267	-->	Lumen
342.	ID:unknown	-->	Envelope
343.	plp_at_00268	-->	Stroma
344.	plp_at_00269	-->	Envelope
345.	plp_at_00270	-->	Thylakoid Membrane
346.	plp_at_00271	-->	Stroma
347.	plp_at_00272	-->	Envelope
348.	plp_at_00273	-->	Lumen
349.	plp_at_00274	-->	Lumen
350.	plp_at_00275	-->	Lumen
351.	plp_at_00276	-->	Stroma
352.	plp_at_00277	-->	Lumen
353.	plp_at_00278	-->	Envelope
354.	plp_at_00279	-->	Lumen
355.	plp_at_00280	-->	Stroma
356.	plp_at_00281	-->	Envelope
357.	ID:unknown	-->	Stroma
358.	plp_at_00282	-->	Stroma
359.	plp_at_00283	-->	Envelope
360.	plp_at_00284	-->	Stroma
361.	plp_at_00285	-->	Lumen
362.	plp_at_00286	-->	Lumen
363.	plp_at_00287	-->	Envelope
364.	plp_at_00288	-->	Stroma
365.	plp_at_00289	-->	Stroma
366.	plp_at_00290	-->	Stroma
367.	plp_at_00291	-->	Stroma
368.	plp_at_00292	-->	Lumen
369.	plp_at_00293	-->	Stroma
370.	plp_at_00294	-->	Stroma
371.	plp_at_00295	-->	Thylakoid Membrane
372.	ID:unknown	-->	Lumen
373.	plp_at_00296	-->	Lumen
374.	plp_at_00297	-->	Lumen
375.	plp_at_00298	-->	Thylakoid Membrane
376.	plp_at_00299	-->	Lumen
377.	plp_at_00300	-->	Envelope
378.	plp_at_00301	-->	Lumen
379.	plp_at_00302	-->	Lumen
380.	plp_at_00303	-->	Lumen
381.	plp_at_00304	-->	Lumen
382.	plp_at_00305	-->	Stroma
383.	plp_at_00306	-->	Lumen
384.	plp_at_00307	-->	Lumen
385.	plp_at_00308	-->	Thylakoid Membrane
386.	plp_at_00309	-->	Stroma
387.	plp_at_00310	-->	Envelope
388.	plp_at_00311	-->	Thylakoid Membrane
389.	plp_at_00312	-->	Thylakoid Membrane
390.	plp_at_00313	-->	Thylakoid Membrane
391.	plp_at_00314	-->	Envelope
392.	plp_at_00315	-->	Lumen
393.	plp_at_00316	-->	Lumen
394.	plp_at_00317	-->	Envelope
395.	plp_at_00318	-->	Envelope

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## SCLAP – Supplementary

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396.	plp_at_00319	-->	Envelope
397.	plp_at_00320	-->	Lumen
398.	plp_at_00321	-->	Lumen
399.	plp_at_00322	-->	Thylakoid Membrane
400.	plp_at_00323	-->	Stroma
401.	ID:unknown	-->	Stroma
402.	plp_at_00324	-->	Envelope
403.	plp_at_00325	-->	Envelope
404.	plp_at_00326	-->	Envelope
405.	plp_at_00327	-->	Envelope
406.	plp_at_00328	-->	Lumen
407.	plp_at_00329	-->	Stroma
408.	plp_at_00330	-->	Stroma
409.	plp_at_00331	-->	Envelope
410.	ID:unknown	-->	Lumen
411.	plp_at_00332	-->	Lumen
412.	plp_at_00333	-->	Lumen
413.	plp_at_00334	-->	Lumen
414.	plp_at_00335	-->	Envelope
415.	plp_at_00336	-->	Envelope
416.	plp_at_00337	-->	Lumen
417.	plp_at_00338	-->	Lumen
418.	plp_at_00339	-->	Lumen
419.	ID:unknown	-->	Thylakoid Membrane
420.	plp_at_00340	-->	Stroma
421.	plp_at_00341	-->	Lumen
422.	plp_at_00342	-->	Thylakoid Membrane
423.	plp_at_00343	-->	Lumen
424.	plp_at_00344	-->	Stroma
425.	plp_at_00345	-->	Envelope
426.	plp_at_00346	-->	Lumen
427.	plp_at_00347	-->	Lumen
428.	plp_at_00348	-->	Envelope
429.	plp_at_00349	-->	Lumen
430.	plp_at_00350	-->	Envelope
431.	plp_at_00351	-->	Stroma
432.	plp_at_00352	-->	Lumen
433.	plp_at_00353	-->	Lumen
434.	plp_at_00354	-->	Thylakoid Membrane
435.	plp_at_00355	-->	Lumen
436.	plp_at_00356	-->	Thylakoid Membrane
437.	plp_at_00357	-->	Stroma
438.	plp_at_00358	-->	Thylakoid Membrane
439.	plp_at_00359	-->	Thylakoid Membrane
440.	plp_at_00360	-->	Lumen
441.	plp_at_00361	-->	Envelope
442.	plp_at_00362	-->	Stroma
443.	plp_at_00363	-->	Thylakoid Membrane
444.	plp_at_00364	-->	Lumen
445.	plp_at_00365	-->	Stroma
446.	plp_at_00366	-->	Lumen
447.	plp_at_00367	-->	Lumen
448.	plp_at_00368	-->	Lumen
449.	plp_at_00369	-->	Stroma
450.	plp_at_00370	-->	Lumen
451.	plp_at_00371	-->	Lumen
452.	plp_at_00372	-->	Stroma

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## SCLAP – Supplementary

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453.	plp_at_00373	-->	Thylakoid Membrane
454.	plp_at_00374	-->	Envelope
455.	plp_at_00375	-->	Envelope
456.	plp_at_00376	-->	Envelope
457.	plp_at_00377	-->	Thylakoid Membrane
458.	plp_at_00378	-->	Lumen
459.	plp_at_00379	-->	Stroma
460.	plp_at_00380	-->	Thylakoid Membrane
461.	plp_at_00381	-->	Envelope
462.	plp_at_00382	-->	Envelope
463.	plp_at_00383	-->	Lumen
464.	plp_at_00384	-->	Lumen
465.	plp_at_00385	-->	Lumen
466.	plp_at_00386	-->	Thylakoid Membrane
467.	plp_at_00387	-->	Lumen
468.	plp_at_00388	-->	Lumen
469.	plp_at_00389	-->	Stroma
470.	plp_at_00390	-->	Thylakoid Membrane
471.	plp_at_00391	-->	Lumen
472.	plp_at_00392	-->	Stroma
473.	plp_at_00393	-->	Thylakoid Membrane
474.	plp_at_00394	-->	Stroma
475.	plp_at_00395	-->	Envelope
476.	plp_at_00396	-->	Lumen
477.	plp_at_00397	-->	Lumen
478.	plp_at_00398	-->	Lumen
479.	plp_at_00399	-->	Envelope
480.	plp_at_00400	-->	Lumen
481.	plp_at_00401	-->	Lumen
482.	plp_at_00402	-->	Stroma
483.	plp_at_00403	-->	Stroma
484.	plp_at_00404	-->	Envelope
485.	plp_at_00405	-->	Lumen
486.	plp_at_00406	-->	Lumen
487.	plp_at_00407	-->	Lumen
488.	plp_at_00408	-->	Lumen
489.	plp_at_00409	-->	Lumen
490.	plp_at_00410	-->	Stroma
491.	plp_at_00411	-->	Envelope
492.	plp_at_00412	-->	Thylakoid Membrane
493.	plp_at_00413	-->	Envelope
494.	plp_at_00414	-->	Lumen
495.	plp_at_00415	-->	Stroma
496.	plp_at_00416	-->	Envelope
497.	plp_at_00417	-->	Envelope
498.	plp_at_00418	-->	Envelope
499.	plp_at_00419	-->	Envelope
500.	plp_at_00420	-->	Lumen
501.	plp_at_00421	-->	Stroma
502.	plp_at_00422	-->	Envelope
503.	plp_at_00423	-->	Stroma
504.	plp_at_00424	-->	Envelope
505.	plp_at_00425	-->	Lumen
506.	plp_at_00426	-->	Stroma
507.	plp_at_00427	-->	Envelope
508.	plp_at_00428	-->	Lumen
509.	plp_at_00429	-->	Stroma

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## SCLAP – Supplementary

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510.	plp_at_00430	-->	Lumen
511.	plp_at_00431	-->	Thylakoid Membrane
512.	plp_at_00432	-->	Stroma
513.	plp_at_00433	-->	Lumen
514.	plp_at_00434	-->	Envelope
515.	plp_at_00435	-->	Stroma
516.	plp_at_00436	-->	Stroma
517.	plp_at_00437	-->	Lumen
518.	plp_at_00438	-->	Stroma
519.	plp_at_00439	-->	Lumen
520.	plp_at_00440	-->	Lumen
521.	plp_at_00441	-->	Lumen
522.	plp_at_00442	-->	Stroma
523.	plp_at_00443	-->	Lumen
524.	plp_at_00444	-->	Envelope
525.	plp_at_00445	-->	Lumen
526.	plp_at_00446	-->	Envelope
527.	plp_at_00447	-->	Thylakoid Membrane
528.	plp_at_00448	-->	Lumen
529.	plp_at_00449	-->	Lumen
530.	plp_at_00450	-->	Lumen
531.	plp_at_00451	-->	Envelope
532.	plp_at_00452	-->	Stroma
533.	plp_at_00453	-->	Envelope
534.	plp_at_00454	-->	Lumen
535.	plp_at_00455	-->	Lumen
536.	plp_at_00456	-->	Lumen
537.	plp_at_00457	-->	Lumen
538.	plp_at_00458	-->	Envelope
539.	plp_at_00459	-->	Stroma
540.	plp_at_00460	-->	Thylakoid Membrane
541.	plp_at_00461	-->	Stroma
542.	plp_at_00462	-->	Lumen
543.	plp_at_00463	-->	Stroma
544.	plp_at_00464	-->	Lumen
545.	plp_at_00465	-->	Stroma
546.	plp_at_00466	-->	Envelope
547.	ID:unknown	-->	Stroma
548.	plp_at_00467	-->	Stroma
549.	plp_at_00468	-->	Envelope
550.	plp_at_00469	-->	Envelope
551.	plp_at_00470	-->	Lumen
552.	plp_at_00471	-->	Lumen
553.	plp_at_00472	-->	Envelope
554.	plp_at_00473	-->	Stroma
555.	plp_at_00474	-->	Thylakoid Membrane
556.	plp_at_00475	-->	Lumen
557.	plp_at_00476	-->	Envelope
558.	plp_at_00477	-->	Lumen
559.	plp_at_00478	-->	Lumen
560.	plp_at_00479	-->	Thylakoid Membrane
561.	plp_at_00480	-->	Thylakoid Membrane
562.	plp_at_00481	-->	Lumen
563.	plp_at_00482	-->	Envelope
564.	plp_at_00483	-->	Lumen
565.	plp_at_00484	-->	Envelope
566.	ID:unknown	-->	Stroma

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## SCLAP – Supplementary

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567.	plp_at_00485	-->	Stroma
568.	plp_at_00486	-->	Thylakoid Membrane
569.	plp_at_00487	-->	Stroma
570.	plp_at_00488	-->	Envelope
571.	plp_at_00489	-->	Stroma
572.	plp_at_00490	-->	Stroma
573.	plp_at_00491	-->	Envelope
574.	plp_at_00492	-->	Envelope
575.	plp_at_00493	-->	Lumen
576.	plp_at_00494	-->	Lumen
577.	plp_at_00495	-->	Envelope
578.	plp_at_00496	-->	Stroma
579.	plp_at_00497	-->	Lumen
580.	plp_at_00498	-->	Thylakoid Membrane
581.	plp_at_00499	-->	Stroma
582.	plp_at_00500	-->	Thylakoid Membrane
583.	plp_at_00501	-->	Thylakoid Membrane
584.	plp_at_00502	-->	Envelope
585.	plp_at_00503	-->	Envelope
586.	plp_at_00504	-->	Thylakoid Membrane
587.	plp_at_00505	-->	Envelope
588.	plp_at_00506	-->	Lumen
589.	plp_at_00507	-->	Lumen
590.	plp_at_00508	-->	Stroma
591.	plp_at_00509	-->	Thylakoid Membrane
592.	plp_at_00510	-->	Envelope
593.	plp_at_00511	-->	Thylakoid Membrane
594.	plp_at_00512	-->	Stroma
595.	ID:unknown	-->	Stroma
596.	plp_at_00513	-->	Lumen
597.	plp_at_00514	-->	Lumen
598.	ID:unknown	-->	Lumen
599.	plp_at_00515	-->	Lumen
600.	plp_at_00516	-->	Envelope
601.	plp_at_00517	-->	Lumen
602.	plp_at_00518	-->	Thylakoid Membrane
603.	plp_at_00519	-->	Envelope
604.	plp_at_00520	-->	Thylakoid Membrane
605.	plp_at_00521	-->	Lumen
606.	plp_at_00522	-->	Stroma
607.	plp_at_00523	-->	Lumen
608.	plp_at_00524	-->	Lumen
609.	plp_at_00525	-->	Envelope
610.	plp_at_00526	-->	Envelope
611.	plp_at_00527	-->	Thylakoid Membrane
612.	plp_at_00528	-->	Thylakoid Membrane
613.	plp_at_00529	-->	Stroma
614.	plp_at_00530	-->	Stroma
615.	plp_at_00531	-->	Stroma
616.	plp_at_00532	-->	Envelope
617.	plp_at_00533	-->	Stroma
618.	plp_at_00534	-->	Stroma
619.	plp_at_00535	-->	Envelope
620.	plp_at_00536	-->	Envelope
621.	plp_at_00537	-->	Envelope
622.	plp_at_00538	-->	Stroma
623.	plp_at_00539	-->	Stroma

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## SCLAP – Supplementary

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624.	plp_at_00540	-->	Envelope
625.	plp_at_00541	-->	Stroma
626.	plp_at_00542	-->	Envelope
627.	plp_at_00543	-->	Lumen
628.	plp_at_00544	-->	Stroma
629.	plp_at_00545	-->	Lumen
630.	plp_at_00546	-->	Lumen
631.	plp_at_00547	-->	Lumen
632.	plp_at_00548	-->	Stroma
633.	plp_at_00549	-->	Lumen
634.	plp_at_00550	-->	Envelope
635.	plp_at_00551	-->	Thylakoid Membrane
636.	plp_at_00552	-->	Thylakoid Membrane
637.	plp_at_00553	-->	Stroma
638.	plp_at_00554	-->	Stroma
639.	plp_at_00555	-->	Lumen
640.	plp_at_00556	-->	Stroma
641.	plp_at_00557	-->	Envelope
642.	plp_at_00558	-->	Thylakoid Membrane
643.	plp_at_00559	-->	Envelope
644.	plp_at_00560	-->	Envelope
645.	plp_at_00561	-->	Lumen
646.	plp_at_00562	-->	Stroma
647.	plp_at_00563	-->	Stroma
648.	plp_at_00564	-->	Stroma
649.	plp_at_00565	-->	Lumen
650.	plp_at_00566	-->	Envelope
651.	plp_at_00567	-->	Stroma
652.	plp_at_00568	-->	Thylakoid Membrane
653.	plp_at_00569	-->	Envelope
654.	plp_at_00570	-->	Lumen
655.	ID:unknown	-->	Thylakoid Membrane
656.	plp_at_00571	-->	Lumen
657.	plp_at_00572	-->	Stroma
658.	plp_at_00573	-->	Envelope
659.	plp_at_00574	-->	Lumen
660.	plp_at_00575	-->	Lumen
661.	plp_at_00576	-->	Stroma
662.	plp_at_00577	-->	Lumen
663.	plp_at_00578	-->	Envelope
664.	plp_at_00579	-->	Stroma
665.	plp_at_00580	-->	Stroma
666.	plp_at_00581	-->	Lumen
667.	plp_at_00582	-->	Thylakoid Membrane
668.	plp_at_00583	-->	Thylakoid Membrane
669.	plp_at_00584	-->	Stroma
670.	plp_at_00585	-->	Envelope
671.	plp_at_00586	-->	Lumen
672.	plp_at_00587	-->	Lumen
673.	ID:unknown	-->	Envelope
674.	plp_at_00588	-->	Stroma
675.	plp_at_00589	-->	Stroma
676.	plp_at_00590	-->	Stroma
677.	plp_at_00591	-->	Stroma
678.	plp_at_00592	-->	Envelope
679.	plp_at_00593	-->	Lumen
680.	plp_at_00594	-->	Stroma

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## SCLAP – Supplementary

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681.	plp_at_00595	-->	Envelope
682.	plp_at_00596	-->	Stroma
683.	plp_at_00597	-->	Lumen
684.	plp_at_00598	-->	Thylakoid Membrane
685.	plp_at_00599	-->	Envelope
686.	plp_at_00600	-->	Lumen
687.	plp_at_00601	-->	Stroma
688.	plp_at_00602	-->	Thylakoid Membrane
689.	plp_at_00603	-->	Lumen
690.	plp_at_00604	-->	Stroma

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