

Table S2A: Presence of *nttD* within *L. pneumophila* and throughout the genus.

<i>L. pneumophila</i> strain ^a	% identity	% similarity	% coverage	E value
130b ^b	100	100	100	0
Paris ^b	100	100	100	0
Lens ^b	100	100	100	0
Philadelphia-1 ^b	99.74	100	100	0
Sudbury	99.74	100	100	0
Thunderbay	99.74	100	100	0
Detroit-1	99.74	100	100	0
ATCC 43290	99.74	100	100	0
LPE509	99.74	100	100	0
Lorraine	99.49	100	100	0
Mississauga	98.47	99.23	100	0
Toronto-2005	98.47	99.23	100	0
Corby	98.47	99.23	100	0
ATCC 33215	98.47	99.23	100	0
Alcoy	98.21	99.23	100	0
ATCC 43283	98.21	99.23	100	0
ATCC 33737	95.41	97.45	100	0

^a see Table S1 for source designation.

^b ORF lpw10421 (*nttD*) of strain 130b corresponds to lpg0956 of strain Philadelphia-1, to lpp1018 of strain Paris, and to lpl0985 of strain Lens.

<i>Legionella</i> species ^c	% identity	% similarity	% coverage	E value
<i>pneumophila</i> ^d	95-100	97-100	100	0
<i>quateirensis</i>	70.66	85.97	100	0
<i>moravica</i>	69.90	85.46	100	0
<i>shakespearei</i>	69.90	84.69	100	0
<i>waltersii</i>	69.64	84.95	100	0
<i>worsleiensis</i>	64.89	81.42	100	0
<i>anisa</i>	53.42	72.41	100	3.24E-150
<i>bozemanii</i>	53.17	71.90	100	5.66E-150
<i>parisiensis</i>	53.17	71.39	100	1.66E-147
<i>gormanii</i>	52.78	72.22	100	7.17E-151
<i>tucsonensis</i>	52.66	71.39	100	2.05E-147
<i>steigerwaltii</i>	51.65	71.90	100	4.60E-149
<i>cherrii</i>	51.39	69.37	100	2.98E-141
<i>santicrucis</i>	51.27	72.08	100	8.10E-148
<i>gratiana</i>	51.27	72.08	100	8.45E-148
<i>cincinnatiensis</i>	51.02	71.57	100	3.19E-146
<i>longbeachae</i>	50.76	71.07	100	1.55E-144
<i>sainthelensi</i>	50.40	71.77	96.68	1.46E-140
<i>steelei</i>	49.87	70.38	100	1.71E-140
<i>dumoffii</i>	48.35	68.35	100	3.13E-135
<i>israelensis</i>	46.57	67.43	100	6.42E-128
<i>lansingensis</i>	42.03	60.76	100	2.38E-105
<i>rubrilucens</i>	42.03	60.00	100	4.71E-103
<i>hackeliae</i>	41.88	61.93	100	6.07E-107

<i>jamestowniensis</i>	41.41	60.86	100	1.73E-105
<i>feeleeii</i>	41.03	60.26	99.49	9.98E-104
<i>spiritensis</i>	40.51	59.49	99.49	9.68E-100
<i>erythra</i>	40.36	59.14	100	5.39E-99
<i>brunensis</i>	39.95	60.81	100	1.39E-99
<i>nautarum</i>	38.69	60.22	93.62	2.34E-83
<i>drozanskii</i>	38.48	60.21	97.45	4.48E-90
<i>jordanis</i>	38.33	57.11	100	5.38E-89
<i>maceachernii</i>	37.63	61.36	100	1.99E-91
<i>birminghamensis</i>	36.64	57.76	100	1.02E-86
<i>quinlivanii</i>	36.61	56.23	96.17	6.86E-79
<i>micdadei</i>	36.04	58.63	100	9.78E-90
<i>geestiana</i>	31.08	50.63	100	3.32E-61
<i>adelaidensis</i>		no gene detected		
<i>drancourtii</i>		no gene detected		
<i>londiniensis</i>		no gene detected		
<i>oakridgensis</i>		no gene detected		

^c see Table S1 for strain and source designation.

^d based on the 17 representative pneumophila strains appearing at the top of Table S2.

Table S2B: Presence of *plaC* within *L. pneumophila* and throughout the genus.

<i>L. pneumophila</i> strain	% identity	% similarity	% coverage	E value
130b ^e	100	100	100	0
Lens ^e	100	100	100	0
Toronto-2005	99.77	100	100	0
Paris ^e	99.54	100	100	0
Philadelphia-1 ^e	99.54	100	100	0
LPE509	99.54	100	100	0
Lorraine	99.54	100	100	0
Mississauga	99.54	100	100	0
Alcoy	99.54	100	100	0
ATCC 43283	99.54	100	100	0
Sudbury	99.54	100	100	0
Thunderbay	99.54	100	100	0
ATCC 43290	99.54	100	100	0
ATCC 33215	99.54	100	100	0
Corby	99.31	100	100	0
Detroit-1	98.15	99.54	100	0
ATCC 33737	97.92	99.77	100	0

^e ORF lpw30971 (*plaC*) of strain 130b corresponds to lpg2837 of strain Philadelphia-1, to lpp2894 of strain Paris, and to lpl2749 of strain Lens.

<i>Legionella</i> species	% identity	% similarity	% coverage	E value
<i>pneumophila</i>	97-100	99-100	100	0
<i>waltersii</i>	77.55	90.05	99.8	0
<i>quateirensis</i>	72.98	85.45	100	0

<i>moravica</i>	72.69	85.19	99.8	0
<i>cincinnatiensis</i>	72.24	85.88	98.2	0
<i>shakespearei</i>	72.22	85.65	99.8	0
<i>santicrucis</i>	72.00	85.88	98.2	0
<i>longbeachae</i>	72.00	85.88	98.2	0
<i>sainthelensi</i>	72.00	85.65	98.2	0
<i>bozemanii</i>	71.16	83.72	99.3	0
<i>tucsonensis</i>	71.16	83.95	99.3	0
<i>steelei</i>	71.16	84.19	99.3	0
<i>cherrii</i>	71.06	84.94	98.2	0
<i>anisa</i>	70.82	83.76	98.2	0
<i>gormanii</i>	70.82	84.00	98.2	0
<i>steigerwaltii</i>	70.82	85.18	98.2	0
<i>gratiana</i>	70.82	85.41	98.2	0
<i>worsleiensis</i>	70.56	85.28	98.8	0
<i>parisiensis</i>	70.47	83.95	99.3	0
<i>dumoffii</i>	70.47	84.19	99.3	0
<i>drancourtii</i>	70.23	85.58	99.3	0
<i>hackeliae</i>	67.37	80.75	98.4	0
<i>brunensis</i>	67.29	81.88	98.2	0
<i>lansingensis</i>	66.59	82.12	98.2	0
<i>jordanis</i>	65.41	80.71	98.2	0
<i>jamestowniensis</i>	65.26	79.58	98.4	0
<i>spiritensis</i>	64.37	79.81	97.2	0
<i>erythra</i>	63.36	78.49	97.7	0
<i>rubrilucens</i>	62.76	77.75	98.6	0
<i>birminghamensis</i>	62.56	76.98	99.3	0
<i>quinlivanii</i>	62.13	78.29	100	0
<i>israelensis</i>	62.12	77.88	98.2	0
<i>geestiana</i>	53.77	69.58	97.9	4.46E-171
<i>adelaidensis</i>		no gene detected		
<i>drozanskii</i>		no gene detected		
<i>feelei</i>		no gene detected		
<i>londiniensis</i>		no gene detected		
<i>maceachernii</i>		no gene detected		
<i>micdadei</i>		no gene detected		
<i>nautarum</i>		no gene detected		
<i>oakridgensis</i>		no gene detected		

Table S2C: Presence of *lapA* within *L. pneumophila* and throughout the genus.

<i>L. pneumophila</i> strain	% identity	% similarity	% coverage	E value
130b ^f	100	100	100	0
Toronto-2005	99.75	100	100	0
Paris ^f	99.75	100	100	0
Philadelphia-1 ^f	99.75	100	100	0
LPE509	99.75	100	100	0

Lorraine	99.75	100	100	0
Sudbury	99.75	100	100	0
Thunderbay	99.75	100	100	0
ATCC 43290	99.75	100	100	0
ATCC 33215	99.75	100	100	0
Alcoy	99.50	99.50	100	0
ATCC 43283	99.50	99.50	100	0
Corby	99.50	99.50	100	0
Lens ^f	97.01	99.50	100	0
Mississauga	97.01	99.50	100	0
Detroit-1	96.26	99.00	100	0
ATCC 33737	96.26	98.50	100	0

^f ORF lpw30701 (*lapA*) of strain 130b corresponds to lpg2814 of strain Philadelphia-1, to lpp2866 of strain Paris, and to lpl2729 of strain Lens.

Legionella species	% identity	% similarity	% coverage	E value
<i>pneumophila</i>	96-100	98-100	100	0
<i>quateirensis</i>	79.30	88.53	95.02	0
<i>shakespearei</i>	79.05	88.78	95.02	0
<i>moravica</i>	78.55	89.03	95.02	0
<i>worsleiensis</i>	76.06	86.78	95.02	0
<i>drancourtii</i>	75.56	85.54	95.02	0
<i>waltersii</i>	75.31	87.03	95.02	0
<i>gormanii</i>	71.89	83.83	95.26	0
<i>cherrii</i>	69.90	82.84	95.26	0
<i>bozemanii</i>	69.65	82.84	95.26	0
<i>tucsonensis</i>	69.65	83.33	95.26	0
<i>longbeachae</i>	69.58	82.79	95.02	0
<i>parisiensis</i>	69.40	82.84	95.26	0
<i>anisa</i>	69.15	82.84	95.26	0
<i>santicrucis</i>	69.08	83.79	95.02	0
<i>steigerwaltii</i>	68.97	82.84	96.21	0
<i>steelei</i>	68.91	83.33	95.26	0
<i>cincinnatiensis</i>	68.47	81.53	96.21	0
<i>gratiana</i>	68.08	82.04	95.02	0
<i>dumoffii</i>	67.91	82.09	95.26	0
<i>sainthelensi</i>	67.83	83.54	95.02	0
<i>israelensis</i>	67.00	81.50	94.79	0
<i>spiritensis</i>	66.75	81.64	95.50	0
<i>erythra</i>	66.33	79.80	95.02	0
<i>brunensis</i>	65.67	78.61	95.26	0
<i>rubrilucens</i>	65.59	79.05	95.02	0
<i>lansingensis</i>	65.34	80.30	95.02	0
<i>jordanis</i>	63.34	78.30	95.02	0
<i>hackeliae</i>	63.09	78.05	95.02	0
<i>drozanskii</i>	62.40	76.21	92.65	0
<i>jamestowniensis</i>	62.34	77.06	95.02	0
<i>birminghamensis</i>	61.69	74.88	95.26	0
<i>quinlivanii</i>	60.95	75.62	95.26	0

<i>micdadei</i>	60.85	75.56	95.02	0
<i>nautarum</i>	60.35	75.31	95.02	0
<i>feeleeii</i>	60.10	77.31	95.02	0
<i>geestiana</i>	57.75	77.25	94.79	3.54E-178
<i>oakridgensis</i>	56.75	73.75	94.79	2.85E-169
<i>adelaidensis</i>	54.78	71.83	91.71	6.47E-152
<i>londiniensis</i>		no gene detected		
<i>maceachernii</i>		no gene detected		

Table S2D: Presence of *lapB* within *L. pneumophila* and throughout the genus.

<i>L. pneumophila</i> strain	% identity	% similarity	% coverage	E value
130b ⁹	100	100	100	0
Lens ⁹	98.74	99.24	100	0
Toronto-2005	99.24	99.50	100	0
Paris ⁹	97.73	98.49	100	0
Philadelphia-1 ⁹	97.48	98.74	100	0
LPE509	97.73	98.49	100	0
Lorraine	97.23	98.49	100	0
Mississauga	98.24	98.99	100	0
Alcoy	98.24	98.99	100	0
ATCC 43283	98.24	98.99	100	0
Sudbury	97.48	98.74	100	0
Thunderbay	97.48	98.74	100	0
ATCC 43290	97.48	98.74	100	0
ATCC 33215	97.48	98.74	100	0
Corby	98.24	98.99	100	0
Detroit-1	89.92	95.21	100	0
ATCC 33737	89.92	94.96	100	0

⁹ ORF lpw00321 (*lapB*) of strain 130b corresponds to lpg0032 of strain Philadelphia-1, to lpp0031 of strain Paris, and to lpl0032 of strain Lens.

<i>Legionella</i> species	% identity	% similarity	% coverage	E value
<i>pneumophila</i>	89-100	94-100	100	0
<i>quateirensis</i>	63.98	78.34	100	0
<i>moravica</i>	63.57	76.63	100	0
<i>shakespearei</i>	62.92	78.77	98.49	0
<i>waltersii</i>	61.21	76.83	100	1.19E-180
<i>worsleiensis</i>	60.20	76.83	100	0
<i>adelaidensis</i>		no gene detected		
<i>anisa</i>		no gene detected		
<i>birminghamensis</i>		no gene detected		
<i>bozemanii</i>		no gene detected		
<i>brunensis</i>		no gene detected		
<i>cherrii</i>		no gene detected		
<i>cincinnatiensis</i>		no gene detected		
<i>drancourtii</i>		no gene detected		

<i>drozanskii</i>	no gene detected
<i>dumoffii</i>	no gene detected
<i>erythra</i>	no gene detected
<i>feeleii</i>	no gene detected
<i>geestiana</i>	no gene detected
<i>gormanii</i>	no gene detected
<i>gratiana</i>	no gene detected
<i>hackeliae</i>	no gene detected
<i>israelensis</i>	no gene detected
<i>jamestowniensis</i>	no gene detected
<i>jordanis</i>	no gene detected
<i>lansingensis</i>	no gene detected
<i>londiniensis</i>	no gene detected
<i>longbeachae</i>	no gene detected
<i>maceachernii</i>	no gene detected
<i>micdadei</i>	no gene detected
<i>nautarum</i>	no gene detected
<i>oakridgensis</i>	no gene detected
<i>parisiensis</i>	no gene detected
<i>quinlivanii</i>	no gene detected
<i>rubrilucens</i>	no gene detected
<i>sainthelensi</i>	no gene detected
<i>santicrucis</i>	no gene detected
<i>spiritensis</i>	no gene detected
<i>steelei</i>	no gene detected
<i>steigerwaltii</i>	no gene detected
<i>tucsonensis</i>	no gene detected