Supplementary Table 2 Distribution of ORFs with closest similarity

		A.c	B.j	B	B.f	C.c	C.v	E.c	M.m	M.l	N.a	P	R	R.s	R.p	R.r	S.l	V	X	X.f	etc
Information storage & processing	J (141)	0	4	3	0	3	1	0	0	1	120	0	0	1	2	4	1	0	0	0	1
		0%	3%	2%	0%	2%	1%	0%	0%	1%	85%	0%	0%	1%	1%	3%	1%	0%	0%	0%	1%
	K (85)	3	4	3	3	2	1	0	3	4	43	1	0	5	2	3	0	1	1	0	4
		4%	5%	4%	4%	2%	1%	0%	4%	5%	51%	1%	0%	6%	2%	4%	0%	1%	1%	0%	5%
	L (87)	3	1	3	0	3	1	0	4	1	51	4	1	3	1	2	2	0	2	0	5
		3%	1%	3%	0%	3%	1%	0%	5%	1%	59%	5%	1%	3%	1%	2%	2%	0%	2%	0%	6%
	sum	**6**	**9**	**9**	**3**	**8**	**3**	**0**	**7**	**6**	**214**	**5**	**1**	**9**	**5**	**9**	**3**	**1**	**3**	**0**	**10**
		2%	**3%**	**3%**	**1%**	**3%**	**1%**	**0%**	**2%**	**2%**	**68%**	**2%**	**0%**	**3%**	**2%**	**3%**	**1%**	**0%**	**1%**	**0%**	**3%**
Cellular processes	D (20)	0	0	1	0	0	0	0	1	0	15	1	1	1	0	0	0	0	0	0	0
		0%	0%	5%	0%	0%	0%	0%	5%	0%	75%	5%	5%	5%	0%	0%	0%	0%	0%	0%	0%
	V (25)	0	1	0	4	1	0	1	0	1	5	1	0	0	1	1	0	1	0	0	6
		0%	4%	0%	16%	4%	0%	4%	0%	4%	20%	4%	0%	0%	4%	4%	0%	4%	0%	0%	24%
	T (60)	2	1	0	1	9	0	0	2	0	27	4	0	3	0	2	2	1	1	0	3
		3%	2%	0%	2%	15%	0%	0%	3%	0%	45%	7%	0%	5%	0%	3%	3%	2%	2%	0%	5%
	M (120)	2	1	0	12	2	3	2	9	1	53	6	6	1	3	0	1	0	1	0	11
		2%	1%	0%	10%	2%	3%	2%	8%	1%	44%	5%	5%	1%	3%	0%	1%	0%	1%	0%	9%
	N (40)	2	0	0	3	6	1	0	0	0	2	2	2	8	1	0	2	4	2	0	3
		5%	0%	0%	8%	15%	3%	0%	0%	0%	5%	5%	5%	20%	3%	0%	5%	10%	5%	0%	8%
	U (47)	0	0	1	1	0	2	0	0	0	23	2	5	3	0	0	1	3	0	0	5
		0%	0%	2%	2%	0%	4%	0%	0%	0%	49%	4%	11%	6%	0%	0%	2%	6%	0%	0%	11%
	O (81)	0	2	1	1	2	0	1	3	0	48	1	2	1	2	3	0	0	2	1	8
		0%	2%	1%	1%	2%	0%	1%	4%	0%	59%	1%	2%	1%	2%	4%	0%	0%	2%	1%	10%
	sum	**6**	**5**	**3**	**22**	**20**	**6**	**4**	**15**	**2**	**173**	**17**	**16**	**17**	**7**	**6**	**6**	**9**	**6**	**1**	**36**
		2%	**1%**	**1%**	**6%**	**5%**	**2%**	**1%**	**4%**	**1%**	**44%**	**4%**	**4%**	**4%**	**2%**	**2%**	**2%**	**2%**	**2%**	**0%**	**9%**
Metabolism	C (85)	3	1	0	7	3	0	1	9	3	27	5	2	2	1	1	0	0	2	2	9
		4%	1%	0%	8%	4%	0%	1%	11%	4%	32%	6%	2%	2%	1%	1%	0%	0%	2%	2%	11%
	G (76)	1	1	2	6	4	1	1	2	3	24	3	1	1	2	4	1	0	3	1	10
		1%	1%	3%	8%	5%	1%	1%	3%	4%	32%	4%	1%	1%	3%	5%	1%	0%	4%	1%	13%
	E (171)	2	5	2	8	12	1	1	9	2	83	6	0	3	4	1	2	0	4	1	19
		1%	3%	1%	5%	7%	1%	1%	5%	1%	49%	4%	0%	2%	2%	1%	1%	0%	2%	1%	11%
	F (54)	1	1	2	0	4	0	0	3	1	32	0	0	1	0	3	2	0	0	0	2
		2%	2%	4%	0%	7%	0%	0%	6%	2%	59%	0%	0%	2%	0%	6%	4%	0%	0%	0%	4%
	H (96)	1	3	3	0	4	0	0	8	1	51	0	0	1	5	2	1	0	2	0	9
		1%	3%	3%	0%	4%	0%	0%	8%	1%	53%	0%	0%	1%	5%	2%	1%	0%	2%	0%	9%
	I (53)	0	2	0	3	2	0	0	6	3	21	1	1	0	1	2	0	1	4	0	5
		0%	4%	0%	6%	4%	0%	0%	11%	6%	40%	2%	2%	0%	2%	4%	0%	2%	8%	0%	9%
	P (93)	1	1	1	9	2	5	3	1	3	17	7	3	1	2	6	0	1	2	2	19
		1%	1%	1%	10%	2%	5%	3%	1%	3%	18%	8%	3%	1%	2%	6%	0%	1%	2%	2%	20%
	Q (32)	0	1	0	0	3	0	1	1	3	10	1	1	0	0	3	0	1	2	0	3
		0%	3%	0%	0%	9%	0%	3%	3%	9%	31%	3%	3%	0%	0%	9%	0%	3%	6%	0%	9%
	sum	**9**	**15**	**10**	**33**	**34**	**7**	**7**	**39**	**19**	**265**	**23**	**8**	**9**	**15**	**22**	**6**	**3**	**19**	**6**	**76**
		1%	**2%**	**2%**	**5%**	**5%**	**1%**	**1%**	**6%**	**3%**	**40%**	**3%**	**1%**	**1%**	**2%**	**3%**	**1%**	**0%**	**3%**	**1%**	**12%**
Poorly characterized	R (198)	6	4	2	6	8	2	3	9	4	70	6	4	4	3	9	0	2	9	0	37
		3%	2%	1%	3%	4%	1%	2%	5%	2%	35%	3%	2%	2%	2%	5%	0%	1%	5%	0%	19%
	S (104)	1	1	5	2	6	1	0	4	3	46	6	2	2	3	3	3	0	3	0	6
		1%	1%	5%	2%	6%	1%	0%	4%	3%	44%	6%	2%	2%	3%	3%	3%	0%	3%	0%	6%
	sum	**7**	**5**	**7**	**8**	**14**	**3**	**3**	**13**	**7**	**116**	**12**	**6**	**6**	**6**	**12**	**3**	**2**	**12**	**0**	**43**
		2%	**2%**	**2%**	**3%**	**5%**	**1%**	**1%**	**4%**	**2%**	**38%**	**4%**	**2%**	**2%**	**2%**	**4%**	**1%**	**1%**	**4%**	**0%**	**14%**
Total		**28**	**34**	**29**	**66**	**76**	**19**	**14**	**74**	**34**	**768**	**57**	**31**	**41**	**33**	**49**	**18**	**15**	**40**	**7**	**165**
		2%	**2%**	**2%**	**4%**	**5%**	**1%**	**1%**	**4%**	**2%**	**46%**	**3%**	**2%**	**2%**	**2%**	**3%**	**1%**	**1%**	**2%**	**0%**	**10%**

A.c, Agrobacterium tumefaciens; B.j, Bradyrhizobium japonicum; B, Brucella sp.; B.f, Burkholderia fungorum; C.c, Caulobacter crescentus; C.v, Chromobacterium violaceum; E.c, Escherichia coli; M.m, Magnetospirillum magnetotacticum; M.l, Mesorhizobium loti; N.a, Novosphingobium aromaticivorans; P, Pseudomonas sp.; R, Ralstonia sp.; R.s, Rhodobacter sphaeroides; R.p, Rhodopseudomonas palustris; R.r, Rhodospirillum rubrum; S.l, Sinorhizobium meliloti; V, Vibrio sp.; X, Xanthomonas sp.; X.f, Xylella fastidiosa