

Sample	Country	Year	Host	Contributor	RpmD	RpmC	RpsQ	RpsO	RplX	RpsP	RpsT	RpsN	RplT	MALDI-Type	MALDI-Group
NCIMB 2154 ^T	JP	1977	PMR	NCIMB	1	1	1	1	1	1	1	1	1	MT1	MG3
Baxa 1y 1-1	JP	1985	ASI	RPB	1	1	1	1	1	1	1	1	1	MT1	MG3
FPC371	JP	2000	SMS	HW	1	1	1	1	1	1	1	1	1	MT1	MG3
FPC454	JP	1977	PMR	HW	1	1	1	1	1	1	1	1	1	MT1	MG3
UCD SD26	US	1995	ANS	RH	2	1	2	2	2	1	1	1	1	MT2	MG4
UCD SB2	US	1995	ANS	RH	2	1	2	2	2	1	1	1	1	MT2	MG4
DPIF 89/0329-11	AU	1989	SSR	JC	3	2	2	2	2	1	1	1	1	MT3	MG2
DPIF 89/0329-5	AU	1989	SSR	JC	3	2	2	2	2	1	1	1	1	MT3	MG2
DPIF 89/0578-4	AU	1989	SSR	JC	3	2	2	2	2	1	1	1	1	MT3	MG2
DPIF 89/0699	AU	1989	SSR	JC	3	2	2	2	2	1	1	1	1	MT3	MG2
DPIF 89/1288-8	AU	1989	OMS	JC	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 16-89	FP	2016	POS	DS	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 16-85	FP	2016	POS	DS	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 16-88	FP	2016	POS	DS	3	2	2	2	2	1	1	1	1	MT3	MG2
TFA4	FP	2016	POS	DS	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 13-47	FR	2014	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
FM1068	FR	1993	DLX	JFP	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 24/99	FR	1999	SMS	FL	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 31/99	FR	1999	SMS	FL	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/99	FR	1991	DLX	CS	3	2	2	2	2	1	1	1	1	MT3	MG2
LVDH 1577.01	FR	2001	DLX	NK	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 21/91-1	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 21/91-2	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 21/91-3	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-1	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-3	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-4	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-5	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-6	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 11-80	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 12-98	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 13-16	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 13-34	FR	2014	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 13-64	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 14-1	FR	2017	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 14-19	FR	2017	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 14-21	FR	2017	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 6-46	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 6-70	FR	2012	n/d	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 6-71	FR	2012	n/d	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 7-8	FR	2012	SAA	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-20	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-21	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-3	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-4	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-47	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-49	FR	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-94	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
902	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-12	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-22	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-23	FR	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-24	FR	2014	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 10/97	FR	2000	SMS	FL	3	2	2	2	2	1	1	1	1	MT3	MG2
JIP 32/91-4	FR	1991	DLX	JFB	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-39	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-41	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-42	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P3-86	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P4-45	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P4-97	FR	n/d	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-28	IT	2015	CTS	MLF	3	2	2	2	2	1	1	1	1	MT3	MG2
Baxa DBA-4a	JP	1986	SQA	RPB	3	2	2	2	2	1	1	1	1	MT3	MG2
Baxa GBF-8601	JP	1986	PLS	RPB	3	2	2	2	2	1	1	1	1	MT3	MG2
NCIMB 2153	JP	1976	ASI	NCIMB	3	2	2	2	2	1	1	1	1	MT3	MG2
NAC SLMG 101	MT	1995	DLX	JT	3	2	2	2	2	1	1	1	1	MT3	MG2

Sample	Country	Year	Host	Contributor	RpmD	RpmC	RpsQ	RpsO	RplX	RpsP	RpsT	RpsN	RplT	MALDI-Type	MALDI-Group
NAC SLMG 105	MT	1995	DLX	JT	3	2	2	2	2	1	1	1	1	MT3	MG2
NAC SLMG 109	MT	1995	DLX	JT	3	2	2	2	2	1	1	1	1	MT3	MG2
NAC SLMG 115	MT	1996	DLX	JT	3	2	2	2	2	1	1	1	1	MT3	MG2
NAC SLMG 120	MT	1996	DLX	JT	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-24	IT	SAA	SAA	MLF	3	2	2	2	2	1	1	1	1	MT3	MG2
P1-27	IT	DLX	DLX	MLF	3	2	2	2	2	1	1	1	1	MT3	MG2
CVII10001048	NL	2010	SAA	OH	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 6-12	SP	2012	SAA	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 5-26	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
USC RPM522.1	SP	1992	SMS	AET	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 11-12	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 12-61	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 5-25	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 5-26	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 6-17	SP	2012	SAA	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-18	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-26	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-34	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-64	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-69	SP	2012	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-88	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 8-90	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-17	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
Aq 9-21	SP	2013	DLX	ALB	3	2	2	2	2	1	1	1	1	MT3	MG2
NCIMB 2158	UK	1981	SSA	NCIMB	3	2	2	2	2	1	1	1	1	MT3	MG2
FPC386	JP	1978	PMR	ALB	1	3	1	2	1	1	1	1	1	MT4	MG3
FPC394	JP	1978	PMR	ALB	1	3	1	2	1	1	1	1	1	MT4	MG3
NBRC 15946	JP*	n/d	n/d	n/d	1	3	1	2	1	1	1	1	1	MT4	MG3
P1-26	IT	n/d	DLX	MLF	1	4	1	1	2	2	1	1	2	MT5	MG1
NAC SLMG MFF	MT	n/d	DLX	ALB	1	4	1	1	2	2	1	1	2	MT5	MG1
USC SE30.1	SP	1993	OKH	AET	1	2	1	1	2	3	1	1	1	MT6	MG1
USC SP9.1	SP	1993	SSR	AET	1	2	1	1	2	3	1	1	1	MT6	MG1
DPIF 89/3001-6.2	AU	1989	LLA	JC	1	1	1	1	2	4	1	1	2	MT7	Singleton 1
JIP 46/00	FR	2000	SMS	GG	3	2	2	2	2	5	1	1	1	MT8	MG2
FS08(1)	IT	2006	SAA	FS	1	2	1	1	2	2	1	2	2	MT9	MG1
Aq 2-43	FR	2011	SSS	ALB	1	2	1	1	2	2	1	1	2	MT10	MG1
Aq 2-48	FR	2011	DLX	ALB	1	2	1	1	2	2	1	1	2	MT10	MG1
P2-48	FR	2011	DLX	ALB	1	2	1	1	2	2	1	1	2	MT10	MG1
P1-25	IT	SAA	SAA	MLF	1	2	1	1	2	2	1	1	2	MT10	MG1
Aq 6-11	SP	2012	SAA	ALB	1	2	1	1	2	2	1	1	2	MT10	MG1
Aq 6-14	SP	2012	SAA	ALB	1	2	1	1	2	2	1	1	2	MT10	MG1
P1-29	n/d	n/d	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-46	SP	2010	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 6-16	SP	2012	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-23	SP	2012	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-24	SP	2012	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-31	SP	2012	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-80	SP	2013	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-89	SP	2013	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
Aq 8-93	SP	2013	DLX	ALB	3	2	2	2	2	2	1	1	1	MT11	MG2
UCD V2b	US	1993	ANS	RH	3	2	2	2	2	2	1	1	1	MT11	MG2
DPIF 90/1445	AU	1990	SSR	JC	1	1	1	2	1	1	1	1	1	MT12	MG3
DPIF 89/0235-3	AU	1989	OMS	JC	1	1	1	2	1	1	1	1	1	MT12	MG3
DPIF 89/0528-1	AU	1989	SSR	JC	1	1	1	2	1	1	1	1	1	MT12	MG3
DPIF 89/0239-1	AU	1989	SSR	JC	1	1	1	2	2	1	1	1	1	MT13	MG3
FC	CL	1998	SMS	JM	1	1	1	2	2	1	1	1	1	MT13	MG3
JIP 05/00(1)	FR	2000	SMS	FL	1	1	1	2	2	1	1	1	1	MT13	MG3
UCD V6f	US	1994	EMX	RH	1	1	1	2	2	1	1	1	1	MT13	MG3
Aq 8-57	SP	2012	DLX	ALB	3	2	2	2	2	2	1	1	1	MT14	MG2
UCD WSB1b	US	1994	ANS	RH	2	1	2	2	2	1	1	1	2	MT15	MG4
USC RP67.1	SP	1993	SMS	AET	1	2	1	1	2	2	1	1	1	MT16	MG1
Aq 12-63	SP	2013	DLX	ALB	3	2	2	2	2	3	1	1	1	MT17	MG2
Aq 6-13	SP	2012	SAA	ALB	1	2	1	1	2	1	1	1	2	MT18	MG1
P2-27	SP	2010	SMS	ALB	1	1	1	1	2	1	1	1	1	MT19	MG3
USC RPM539.1	SP	1993	SMS	AET	3	2	2	2	2	1	1	1	3	MT20	MG2
P1-40	FR	2010	DLX	ALB	3	2	NT	2	2	1	1	1	NT	NT	n/d
Aq 12-62	SP	2013	DLX	ALB	3	2	2	2	2	NT	1	1	1	NT	n/d
Aq 12-64	SP	2013	DLX	ALB	3	2	2	2	2	NT	1	1	1	NT	n/d
Aq 6-9	SP	2012	SAA	ALB	1	NT	1	1	2	2	1	1	1	NT	n/d

* denotes a sample of uncertain origin

NT equivalent to non-typable, used for missing biomarkers

List of contributors

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NCIMB	National Collection of Industrial and Marine Bacteria	Aberdeen	Scotland
OH	O. Haenen	Central Veterinary Institute	Lelystad, the Netherlands
RH	R. Hedrick	Univeristy of California	Davis, USA
RPB	R.P. Burchard	University of Mariland	Baltimore

List of abbreviations

Origin			Fish host species	
Australia (Tasmania)	AU		<i>Acanthopagrus shlegeli</i>	ASI
Chile	CL		<i>Atrascoscion nobilis</i>	ANS
France	FR		<i>Carcharias taurus</i>	CTS
French polynesia	FP		<i>Dicentrarchus labrax</i>	DLX
Italy	IT		<i>Engraulis mordax</i>	EMX
Japan	JP		<i>Latris lineata</i>	LLA
Malta	MT		<i>Onchorynchus kisutch</i>	OKH
Spain	SP		<i>Onchorynchus mykiss</i>	OMS
United Kingdom (Scotland)	UK		<i>Pagrus major</i>	PMR
USA (California)	US		<i>Paralichthys olivaceus</i>	POS
no data available	n/d		<i>Platax orbicularis</i>	POS
			<i>Salmo salar</i>	SSR
			<i>Scophthalmus maximus</i>	SMS
			<i>Seriola quinqueradiata</i>	SQA
			<i>Solea senegalensis</i>	SSS
			<i>Sparus aurata</i>	SAA
			no data available	n/d