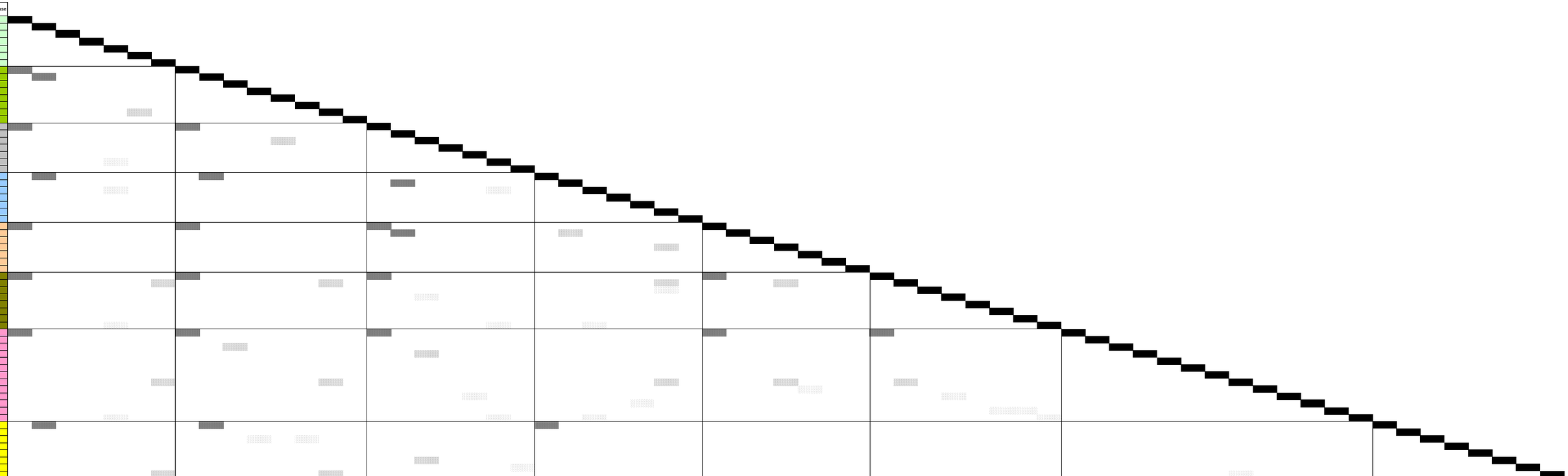
Strain	Element (Gene block)	Integrase
30-84	prophage 1 (I)	-
30-84	prophage 1 (II)	-
30-84	prophage 2	+NI
30-84	prophage 3	+NI
30-84	island 1	+
30-84	island 2	+
30-84	island 3	+
O6	prophage 1 (I)	-
O6	prophage 1 (II)	-
O6	prophage 1 (IV)	+
O6	prophage 2	+
O6	prophage 3	+
O6	island 1	+
O6	island 2	+
O6	island 3	+
A506	prophage 1 (I)	-
A506	prophage 2	+
A506	prophage 3	+
A506	island 1	+
A506	island 2	+
A506	island 3	+
A506	plasmid	+
Q8r1-96	prophage 1 (II)	-
Q8r1-96	prophage 2	+
Q8r1-96	island 1	+
Q8r1-96	island 2	+NI
Q8r1-96	island 3	+
Q8r1-96	island 4	+
Q8r1-96	transposon 1	-
Q2-87	prophage 1 (I)	-
Q2-87	prophage 2	+
Q2-87	island 1	+
Q2-87	island 2	+
Q2-87	island 3	+
Q2-87	island 4	+NI
Q2-87	island 5	+
SS101	prophage 1 (I)	-
SS101	island 1	+
SS101	island 2	+
SS101	island 3	+
SS101	island 4	+
SS101	island 5	+
SS101	island 6	+
SS101	island 7	+
BG33R	prophage 1 (I)	-
BG33R	prophage 1 (III)	-
BG33R	prophage 1 (V)	+
BG33R	prophage 2	+
BG33R	prophage 3	+
BG33R	prophage 4	+
BG33R	island 1	+
BG33R	island 2	+
BG33R	island 3	+
BG33R	island 4	+
BG33R	island 5	+NI
BG33R	island 6	+
BG33R	island 7	+
Pf-5	prophage 1 (II)	
Pf-5	prophage 2	
Pf-5	prophage 3	
Pf-5	prophage 4	
Pf-5	prophage 5	
Pf-5	prophage 6	
Pf-5	PFGI-1	
Pf-5	PFGI-2	



Strong similarity over extended range
Medium level of similarity
Weak similarity over a few genes
No similarity