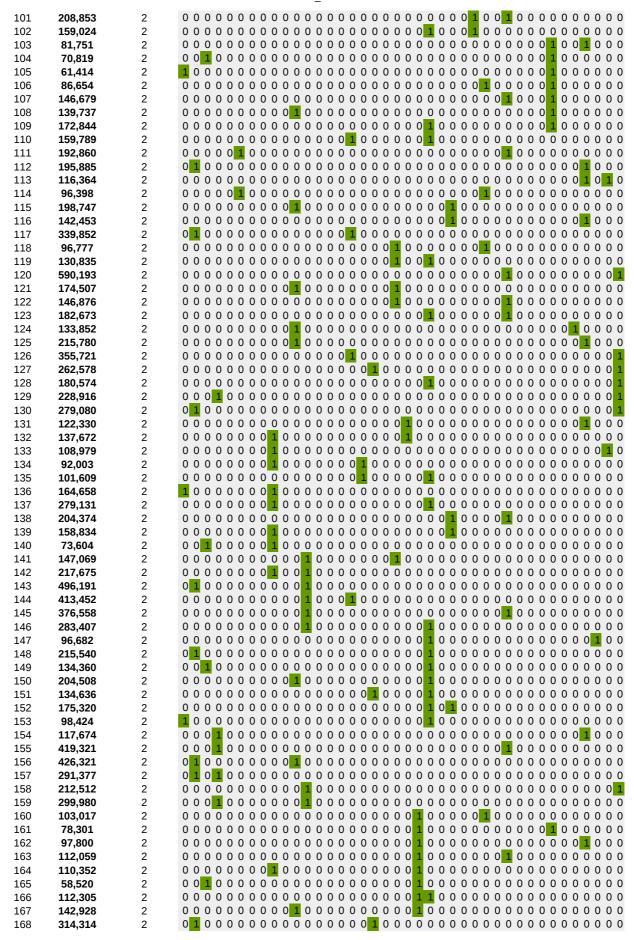
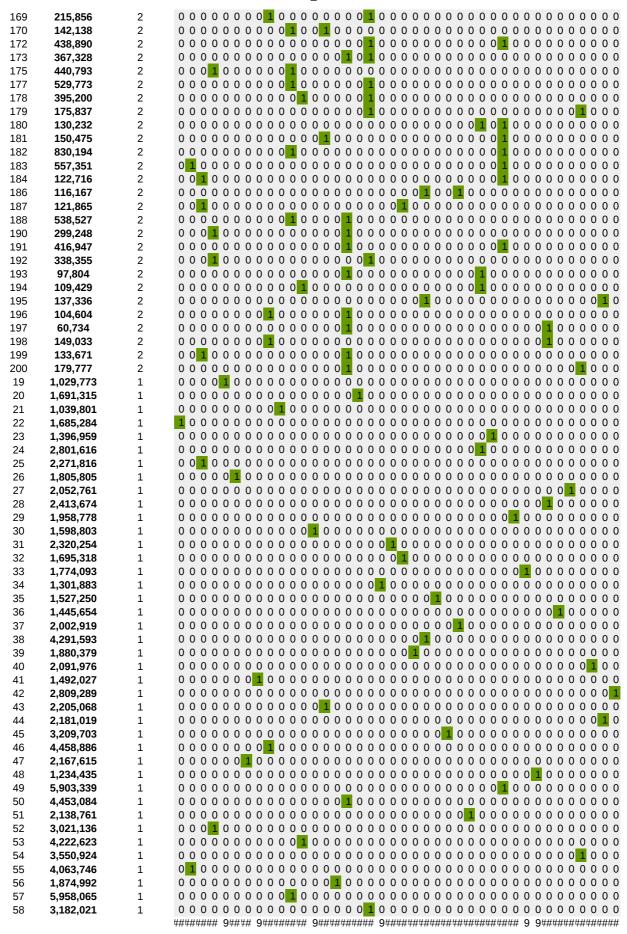
Span	Span	Worm	Lineage Assigned Individuals – RADseq presence/absence		
ID	Length	Count	<mark> </mark>		
13 15	128,595 197,826	34 34	$\begin{smallmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $		
12	342,952	33	101011111111111111111111111111111111111		
16	179,866	33	101011111111010111111111111111111111111		
11	130,705	32	1 0 1 0 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 0		
17	1,684,951	32 32	$\begin{smallmatrix} 1 & 0 & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 &$		
18 14	152,869 132,666	32 31	$\begin{smallmatrix} 1 & 0 & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 &$		
5	196,554	9	0 1 0 1 0 0 0 0 1 0 1 1 0 0 0 1 0 1 0 0 0 1 0 1 0		
2	194,425	8	0 1 0 1 0 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 0 1 0		
10	137,943	8	0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 1 0 1		
1 3	245,617 273,921	7 7	$\begin{smallmatrix} 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 1 & 1$		
8	1,242,521	7	010100000011000100000000000000000000000		
9	396,215	7	0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0		
4	188,161	6	010101000001100001000000000000000000000		
6	82,808	6	$\begin{smallmatrix} 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0$		
7 94	230,554 161,854	6 3	$\begin{smallmatrix} 0 & 1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 1 & 1$		
171	116,039	3	000000000100001000001000000001000000000		
174	148,307	3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1		
176	161,959	3	000100000100000000000000000000000000000		
185 189	112,621 161,393	3 3	0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0		
59	91,126	2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
60	88,187	2	100000000000000000000000000000000000000		
61	74,918	2	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
62	163,077	2	000000000000000000000000000000000000000		
63 64	145,588 101,531	2 2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $		
65	68,873	2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
66	85,505	2	001000000000000000000000000000000000000		
67	118,406	2	0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
68	206,854	2	$0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \$		
69 70	108,491 84,063	2 2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $		
71	180,822	2	0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0		
72	114,053	2	$0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$		
73	141,524	2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$		
74 75	87,384 90,540	2 2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $		
75 76	83,444	2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 &$		
77	123,141	2	$0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$		
78	115,936	2	010000000000000000000000000000000000000		
79 80	71,443 171,797	2 2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0$		
81	128,424	2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
82	109,106	2	0 0 0 0 0 0 0 0 0 0 <mark>1</mark> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
83	128,650	2	$0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0$		
84	152,186	2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $		
85 86	260,692 224,340	2 2	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $		
87	102,594	2	000000000000000000000000000000000000000		
88	112,718	2	000000000000000000000000000000000000000		
89	102,967	2	0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0		
90 91	104,754 134,343	2 2	0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0		
91 92	98,773	2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
93	302,624	2	000000010101000000000000000000000000000		
95	366,649	2	000000000000000000000000000000000000000		
96 07	103,377	2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
97 98	512,484 198,372	2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
99	176,705	2	0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0		
100	189,890	2	000000000000000000000000000000000000000		

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AB table



AB table



## L.rubellus Sample Presence by lineage

Pair ID	Span ID	Length (bp)	A B A B A A A A A B B A A A B A B A A A A A A A A A A A B A A A A A A A A A B	Match Enrichment Factor
1	81 98	128,424 198,372	00000000000000000000000000000000000000	457.84
2	66 119	85,505 130,835	00 <mark>1</mark> 0000000000000000000000000000000000	299.58
3	195 174	137,336 148,307	000000000000000000000 <mark>1</mark> 000000000000000	296.31
4	89 180	102,967 130,232	000000000 <mark>1</mark> 000000000000000000000000 <mark>1</mark> 00	207.56