

Supplemental Figure 8: Sequences and context of SDR8 and related sequences

[illegible]

Npun.chrom	1272326B		
Npun.chrom	670378B		
Npun.chrom	4319845F		
Npun.chrom	8052551B	ATTAGCG	AAGCGGTAGCG
Npun.chrom	2063172F		AC
Npun.chrom	7962138F		
Npun.chrom	3371579B		
Npun.chrom	3822424F		
Npun.chrom	748113B		
Npun.chrom	4183879B		
Npun.chrom	4276873F		
Npun.chrom	8049549F		
Npun.chrom	2176631F		
Npun.chrom	7250040F		
Npun.chrom	5365996F		
Npun.chrom	3598286F		
Npun.chrom	4851759F	GTTAGCG	TAGCGGTAGCG
Npun.chrom	1268224B	ATTAGCGTTGGCGTTTCGCGGAGCGTGTTCGCAGACAAAGCCTTTGGTAGAGAACCGGTAGCG	AGGTACGAGCGTC
Npun.chrom	6980372F	GTTAGCG	TAGCGGTAGCGATAGCGCAGCGTTAGCGAACTCTTAGCGGAAAGCGAGGTACGCGCAGCGTCTCGTAGAGAACACGAGCGTC
Npun.chrom	1219084B		
Npun.chrom	6927622B	GTTAGCGTTTCGCG	CAGCGTCTCGTAGAGAGCAACGAGCGT
Npun.chrom	1402105B		CGGTACGAGCGTC
Npun.chrom	6338180F		
Npun.chrom	4006567B		
Npun.chrom	6190810F		
Npun.chrom	228345B		
Npun.chrom	965169B		
Npun.chrom	5532992B		
Npun.chrom	3111292F		
Npun.chrom	1970770F		
Npun.chrom	2569658F		
Npun.chrom	4080127B		
Npun.chrom	4291204B		
Npun.chrom	3185726F		
Npun.chrom	6249834B		
Npun.chrom	2817717F		
Npun.chrom	7294950F		
Npun.chrom	1598334B		
Npun.chrom	697572B		
Npun.chrom	6980249F		
Npun.chrom	2582959B		
Npun.chrom	4878283B		
Npun.chrom	8006783F		
Npun.chrom	2181574B		
Npun.chrom	2561605B		
Npun.chrom	61616F		
Nod-062	3547F		
Npun.chrom	2830007F	ATTAGCGTTGGCGTTTCGCGGAGCGTGTTCGCAGACAAAGCCTCTCTGTAGAGAACAGCGTAGCG	ACAAAGGAGCGTC
Npun.chrom	7467652B	ATTAGCGTTGGCGTTTCGCGGAGCGTGTTCGCAGACAAAGCCTCTCTGTAGAGAACCGGTAGCG	ACAAAGGAGCGTC
Npun.chrom	2898178B		
Npun.chrom	6969544B		
Npun.chrom	6105921B		
Npun.chrom	407806F		
Npun.chrom	2118072F		
Npun.chrom	3508786B		
Npun.chrom	3858241B		
Npun.chrom	36888F		
Npun.chrom	6610341B		
Npun.chrom	8126577F		
Npun.chrom	646995F		
Npun.chrom	2516305F		
Npun.chrom	3292804F	TCCATGTTTCGCGTAAGTTAAATGGGCGGTTGCATCTACACGAGGCTTTACCCACCTCCGTGGGTTTCAAACACTCAATTTTTTTAGACTACTCTGCGGGAAAGCGCAAGTGTCATGTTTGTGTAGCTGCGAATTCATTCACTGGGGC	
Npun.chrom	8223037F	CAACATGAGCGCCAGTTAAAGAGGGGCGCTATATTGACATTGTGTGAACCTTAACGTGAACCTTTGTCAAGACCTGATTTGAGTTTCATTCTACTGACCATCACTCAATGCCTTACCCACCTAACCCCTCCCTTGTAAATGGGAGGGAACCTGGA	
Nod-003	75116B		
Nod-045	8869B		
Npun.chrom	7872667B	GTTAGCGTACTCCTACGGAGAAGCGAGCTACGCGCAGCGTCTCGTAGAGAGGAACAGCG	TCGGTACGAGCGTC
Npun.chrom	7408401F		
Npun.chrom	3598986B		
Npun.chrom	7100251F		
Npun.chrom	599023B		

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Supplemental Figure 8: Sequences and contexts of SDR8 elements and related sequences. All instances of SDR8 in any genome of a cyanobacterium listed in Figure 5 of the main text are indicated. Conventions are as described in Supplemental Figure 1, except that the coordinate listed under **site** is the low order coordinate of the sequence shown (including the sequence flanking the SDR element). The sequences have been collected into four groups. The first three groups are those sequences related to the first three transposable elements, respectively, shown in Figure 3 of the main text. The last group consists of uncategorized sequences containing SDR8. There are many more *npr1652*-related transposon ends besides those shown here (see also Supplemental Figure 2b). Sequences that are shaded in light gray and have a white font are conserved over all four groups while shaded sequences having a black font are conserved only within the group.