

**Figure S2. Quantification of targeted mutagenesis of *ALS1* using CRISPR/Cas9 and TALENs in the presence and absence of dsODNs in protoplast transformations.** Reads containing mutagenesis are visualized in multiple sequence alignment. To the left of each sequence, the number of reads and its percentage in the total number of reads are provided. The samples represent three biological replicates and three technical replicates of the PCR for each reagent. No reads containing dsODNs were included in this analysis. For CRISPR and TALENs samples, representative reads having greater than 0.5% and 0.1% of total reads respectively are presented. For CRISPR+ODN, TALENs+ODN and only dsODN samples, reads having greater than 0.05% of total reads are presented.

#### CRISPR 1-1

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
9850-68.28	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
603-4.18	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
603-4.18	CACGTTCTACCTATGATTC--CAGCGGCGGTGCTTTCAAAG
511-3.54	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
355-2.46	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
343-2.37	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
193-1.33	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
149-1.03	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
144-0.99	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
141-0.97	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
125-0.86	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
122-0.84	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAAAG
94-0.65	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
79-0.54	CACGTTCTACCTAC-----CAGCGGCGGTGCTTTCAAAG
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#### CRISPR 1-2

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
9782-70.19	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
568-4.07	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
528-3.78	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
509-3.65	CACGTTCTACCTATGATTC--CAGCGGCGGTGCTTTCAAAG
373-2.67	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
279-2.00	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
135-0.96	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
113-0.81	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAAAG
109-0.78	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
108-0.77	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
107-0.76	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
100-0.71	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
81-0.58	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
77-0.55	CACGTTCTACCTATGATTCCCTCAGCGGCGGTGCTTTCAAAG
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#### CRISPR 1-3

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
9427-69.90	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
596-4.41	CACGTTCTACCTATGATTC--CAGCGGCGGTGCTTTCAAAG
501-3.71	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
453-3.35	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
282-2.09	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
261-1.93	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
173-1.28	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
166-1.23	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
162-1.20	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
127-0.94	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
124-0.91	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAAAG
94-0.69	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
90-0.66	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
	*****

## CRISPR 2-1

WT	CACGTTCTACCTATGATTC-CCAGCGGCGGTGCTTTCAAAG
9795-72.34	CACGTTCTACCTATGATTC-CCAGCGGCGGTGCTTTCAAAG
476-3.51	CACGTTCTACCTATGATT--CCAGCGGCGGTGCTTTCAAAG
467-3.44	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
364-2.68	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
288-2.12	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
280-2.06	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
205-1.51	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
160-1.18	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
109-0.80	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
99-0.73	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
84-0.62	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
82-0.65	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
	*****

## CRISPR 2-2

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
9595-72.71	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
523-3.96	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
492-3.72	CACGTTCTACCTATGATTC--CAGCGGCGGTGCTTTCAAAG
361-2.73	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
300-2.27	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
235-1.78	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
139-1.05	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
123-0.93	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
115-0.87	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
107-0.81	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
91-0.68	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
80-0.60	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAA-
74-0.56	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
	*****

## CRISPR 2-3

WT	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
9607-73.33	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
552-4.21	CACGTTCTACCTATGATTCC--AGCGGCGGTGCTTTCAAAG
443-3.38	CACGTTCTACCTATGAC-----AGCGGCGGTGCTTTCAAAG
353-2.69	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
261-1.99	CACGTTCTACCTATGC-----AGCGGCGGTGCTTTCAAAG
192-1.46	CACGTTCTACCTATGACC---AGCGGCGGTGCTTTCAAAG
111-0.84	CACGTTCTACCTATGATTC---AGCGGCGGTGCTTTCAAAG
107-0.81	CACGTTCTACCTATGCC-----AGCGGCGGTGCTTTCAAAG
101-0.77	CACGTTCTACCTATCC-----AGCGGCGGTGCTTTCAAAG
99-0.75	CACGTTCTACCTAT-C-----AGCGGCGGTGCTTTCAAAG
87-0.66	CACGTTCTACCTATGATTCACAGCGGCGGTGCTTTCAA-
86-0.65	CACGTTCTACCTATGATCC---AGCGGCGGTGCTTTCAAAG
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## CRISPR 3-1

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
14088-73.80	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
687-3.59	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
647-3.38	CACGTTCTACCTATGATTC--CAGCGGCGGTGCTTTCAAAG
506-2.65	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
395-2.06	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
340-1.78	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
201-1.05	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
184-0.96	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
147-0.77	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
138-0.72	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
134-0.70	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
119-0.62	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAA-
117-0.61	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
	*****

### CRISPR 3-2

WT	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
13292-72.42	CACGTTCTACCTATGATTCC-CAGCGGCGGTGCTTTCAAAG
709-3.86	CACGTTCTACCTATGA-----CAGCGGCGGTGCTTTCAAAG
638-3.47	CACGTTCTACCTATGATTCC--CAGCGGCGGTGCTTTCAAAG
460-2.50	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
410-2.23	CACGTTCTACCTATG-----CAGCGGCGGTGCTTTCAAAG
380-2.07	CACGTTCTACCTATGAC----CAGCGGCGGTGCTTTCAAAG
221-1.20	CACGTTCTACCTATGC-----CAGCGGCGGTGCTTTCAAAG
196-1.06	CACGTTCTACCTATGATT---CAGCGGCGGTGCTTTCAAAG
166-0.90	CACGTTCTACCTATC-----CAGCGGCGGTGCTTTCAAAG
144-0.78	CACGTTCTACCTATGAT----CAGCGGCGGTGCTTTCAAAG
128-0.69	CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
126-0.68	CACGTTCTACCTATGATC---CAGCGGCGGTGCTTTCAAAG
126a-0.68	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAA- *****

### CRISPR 3-3

WT	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
17942-74.31	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
813-3.36	CACGTTCTACCTATGATTCC--AGCGGCGGTGCTTTCAAAG
805-3.33	CACGTTCTACCTATGAC-----AGCGGCGGTGCTTTCAAAG
630-2.6	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
433-1.79	CACGTTCTACCTATGC-----AGCGGCGGTGCTTTCAAAG
379-1.56	CACGTTCTACCTATGACC---AGCGGCGGTGCTTTCAAAG
294-1.21	CACGTTCTACCTATGCC-----AGCGGCGGTGCTTTCAAAG
242-1.00	CACGTTCTACCTATGATTC---AGCGGCGGTGCTTTCAAAG
222-0.91	CACGTTCTACCTATCC-----AGCGGCGGTGCTTTCAAAG
197-0.81	CACGTTCTACCTAT-C-----AGCGGCGGTGCTTTCAAAG
178-0.73	CACGTTCTACCTATGATCC---AGCGGCGGTGCTTTCAAAG
158-0.65	CACGTTCTACCTATGATTCCACAGCGGCGGTGCTTTCAA- *****

### CRISPR+ODN 1-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12115-96.73	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
20-0.15	CACGTTCTACCTATGATTCC-AGCGGCGGTGCTTTCAAAG
13-0.10	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11a-0.08	CACGTTCTACCCATGATTCCCAGCGGCGGTGCTTTCAAAG
11-0.08	CACGTTCTACCTATGATTCCCAGCGGCAGTGCTTTCAAAG
10-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.07	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
8-0.06	CATATGTTAATAACGGTATCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTGCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCGTTCAAAG
7-0.05	CACGTTCTACCTGTGATTCCCAGCGGCGGTGCTTTCAAAG ** * * * * *

### CRISPR+ODN 1-2

WT	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
10755-97.11	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
21-0.18	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
21a-0.18	-ATATGACAACTCAATTAAACCAGCGGCGGTGCTTTCAAAG
11-0.09	CACGTTCTACCTATGATTCC-----GGCGGTGCTTTCAAAG
8-0.07	CACGTTCTACCTATGATTCCC-GGCGGCGGTGCTTTCAAAG
7-0.06	CACGTTCTACCTATGATTCCC-AGCGGCTGTGCTTTCAAAG
6-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
6-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTGCAAAG
6-0.05	CACGTTCTACCTATGATTCCCT-AGCGGCGGTGCTTTCAAAG * * * * *

### CRISPR+ODN 1-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11919-96.92	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG

24-0.19	CACGTTCTACCTATGATTC-CAGCGGCGGTGCTTTCAAAG
17-0.13	CACGTTCTACCTATGATTCCCAGCGGCTGTGCTTTCAAAG
12-0.09	CACGTTCTACCTAT-----CCAGCGGCGGTGCTTTCAAAG
10-0.08	CACGTTCTACCTATAAATCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCCATGATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCTCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
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#### CRISPR+ODN 2-1

WT	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15047-95.55	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
26-0.16	-CACGTTCTACCTATGATTCC-AGCGGCGGTGCTTTCAAAG
18-0.11	-CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
14-0.08	-CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.06	-CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
10-0.06	-CACGTTCTACCTATGATTCCCAGCAGCGGTGCTTTCAAAG
9-0.05	-CACGTTCTACCTATGATTCCCTAGCGGCGGTGCTTTCAAAG
9-0.05	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCCTTCAAAG
8-0.05	ATATGACAACTCAATTAACC-AGCGGCGGTGCTTTCAAAG
8-0.05	-CACGTTCTACCTAT-----CAGCGGCGGTGCTTTCAAAG
8-0.05	ATATGACAACTCAATTAACC-AGCGGCGGTGCTTTCAAAG
8-0.05	-CACGTTCTACCTATGATTCCCAGTGGCGGTGCTTTCAAAG
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#### CRISPR+ODN 2-2

WT	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12439-96.30	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
25-0.19	ATATGACAACTCAATTAACC-CCAGCGGCGGTGCTTTCAAAG
12-0.09	-CACGTTCTACCTATGATT-CCAGCGGCGGTGCTTTCAAAG
10-0.07	-CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	-CACGTTCTACCTATGATTCCCGGCGGCGGTGCTTTCAAAG
9-0.06	-CACGTTCTACCTA-----CAGCGGCGGTGCTTTCAAAG
9-0.06	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCGTTCAAAG
8-0.06	-CACGTTCTACCTATGATTTCCAGCGGCGGTGCTTTCAAAG
8-0.06	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCCTTCAAAG
8-0.06	-CACGTTCTACCTATAAATCCCAGCGGCGGTGCTTTCAAAG
8-0.06	-CACGTTCTACCTATGATTCCCAGCGGCAGTGCTTTCAAAG
8-0.06	-CACGTTCTATCTATGATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	-CACGTTCTACCTATGATTCCCAGCGGCGGTGATTTCAAAG
7-0.05	-CACGTTCTACCTATGATTCCCAGCGGCGGTGCTATCAAAG
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#### CRISPR+ODN 2-3

WT	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
14639-96.88	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
31-0.20	-ATATGACAACTCAATTAACCAGCGGCGGTGCTTTCAAAG
15-0.09	CACGTTCTACCTATGATTCC--AGCGGCGGTGCTTTCAAAG
13-0.08	CACGTTCTGCCTATGATTCCC-AGCGGCGGTGCTTTCAAAG
12-0.07	-ACGTTCTACCTATGATTCCCCAGCGGCGGTGCTTTCAAAG
11-0.07	CACGTTCTACCTATGATTCCC-GGCGGCGGTGCTTTCAAAG
9-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCTTGCAAAG
9-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGATGCTTTCAAAG
8-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGGTACTTTCAAAG
8-0.05	CACGTTCTACCTATGATTCCC-AGCGGCGGTGCCTTCAAAG
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#### CRISPR+ODN 3-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
16038-96.25	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
19-0.11	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTGCAAAG
15-0.09	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
14-0.08	CACGTTCTACCTATGATTCCCAGCGGCAGTGCTTTCAAAG
14-0.08	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
10-0.06	CACGTTCTACCTATGATTCCCTAGCGGCGGTGCTTTCAAAG

9-0.05	CACGTTCTACCTATGATTC-----GGCGGTGCTTTCAAAG
9-0.05	CACGTTCTACCTGTGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.05	CACGTTCTACCTATGATTCCCAGCGGCGATGCTTTCAAAG
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### CRISPR+ODN 3-2

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
13059-96.85	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTATGATTCCCAGCAGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTATGATT-CCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
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### CRISPR+ODN 3-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12171-97.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
16-0.12	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.07	CACGTTCTACCCATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCAGTGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATAATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTGTGATTCCCAGCGGCGGTGCTTTCAAAG
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### TALENs 1-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12022-87.36	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
528-3.83	CACGTTCTACCTA---TCCCAGCGGCGGTGCTTTCAAAG
174-1.26	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
124-0.90	CACGTTCTACCTT----TCCCAGCGGCGGTGCTTTCAAAG
54-0.39	CACGTTCTACCT----TCCCAGCGGCGGTGCTTTCAAAG
46-0.33	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG
26-0.18	CACGTTCTACCAT----TCCCAGCGGCGGTGCTTTCAAAG
19-0.13	CACGTTCTACCTA----TCCCAGCGGCGGTGCTTTCAAAG
15-0.10	CACGTTCTACCTA--TTTCCCAGCGGCGGTGCTTTCAAAG
14-0.10	CACGTTCTACCT-----TCCCAGCGGCGGTGCTTTCAAAG
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### TALENs 1-2

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12586-88.67	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
460-3.24	CACGTTCTACCTA---TCCCAGCGGCGGTGCTTTCAAAG
108-0.76	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
76-0.53	CACGTTCTACCTT----TCCCAGCGGCGGTGCTTTCAAAG
44-0.30	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG
36-0.25	CACGTTCTACCAT----TCCCAGCGGCGGTGCTTTCAAAG
30-0.21	CACGTTCTACCT----TCCCAGCGGCGGTGCTTTCAAAG
29-0.20	CACGTTCTACCTA----TCCCAGCGGCGGTGCTTTCAAAG
23-0.16	CACGTTCTACCTA--TTTCCCAGCGGCGGTGCTTTCAAAG
16-0.11	CACGTTCTACCT-----TCCCAGCGGCGGTGCTTTCAAAG
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### TALENs 1-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12362-88.45	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
435-3.11	CACGTTCTACCTA---TCCCAGCGGCGGTGCTTTCAAAG
141-1.00	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
116-0.83	CACGTTCTACCT----TCCCAGCGGCGGTGCTTTCAAAG
33-0.23	CACGTTCTACCT----TCCCAGCGGCGGTGCTTTCAAAG
28-0.20	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG

27-0.19	CACGTTCTACCA----TTCCAGCGGCGGTGCTTTCAAAG
19-0.13	CACGTTCTACCT----ATCCAGCGGCGGTGCTTTCAAAG
18-0.12	CACGTTCTACCTA--TTCCAGCGGCGGTGCTTTCAAAG
14-0.10	CACGTTCTACAT-----TCCAGCGGCGGTGCTTTCAAAG
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# TALENs 2-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8586-84.75	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
475-4.68	CACGTTCTACCTA---TTCCAGCGGCGGTGCTTTCAAAG
132-1.30	CACGTTCTACCTA--ATTCCAGCGGCGGTGCTTTCAAAG
82-0.80	CACGTTCTACCT----TTCCAGCGGCGGTGCTTTCAAAG
48-0.47	CACGTTCTACCTG--ATTCCAGCGGCGGTGCTTTCAAAG
28-0.27	CACGTTCTAC-----CTCCAGCGGCGGTGCTTTCAAAG
22-0.21	-----CACGTT--CTACCCAGCGGCGGTGCTTTCAAAG
19-0.18	CACGTTCTACCTA--TTCCAGCGGCGGTGCTTTCAAAG
16-0.15	-----CACGTT--ATTCCAGCGGCGGTGCTTTCAAAG
13-0.12	CACGTTCTACCT----ATCCAGCGGCGGTGCTTTCAAAG
13-0.12	-ACGTTCTACCTAGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.11	CACGTTCTACCTA-----GGCGGTGCTTTCAAAG
12-0.11	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11-0.10	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
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# TALENs 2-2

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9307-86.85	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
377-3.51	CACGTTCTACCT---ATTCCAGCGGCGGTGCTTTCAAAG
112-1.04	CACGTTCTACCT--AATTCCAGCGGCGGTGCTTTCAAAG
102-0.95	CACGTTCTACCT----TTCCAGCGGCGGTGCTTTCAAAG
69-0.64	CACGTTCTACCT----ATCCAGCGGCGGTGCTTTCAAAG
42-0.39	CACGTTCTACCT----ATCCAGCGGCGGTGCTTTCAAAG
33-0.30	CACGTTCTACCT--GATTCCAGCGGCGGTGCTTTCAAAG
24-0.22	CACGTTCTACCT-----CCAGCGGCGGTGCTTTCAAAG
18-0.16	CACGTTCTACCA----TTCCAGCGGCGGTGCTTTCAAAG
14-0.13	-ACGTTCTACCT-TATTCCAGCGGCGGTGCTTTCAAAG
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# TALENs 2-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
5112-84.80	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
305-5.05	CACGTTCTACCT---ATTCCAGCGGCGGTGCTTTCAAAG
69-1.14	CACGTTCTACCT----TTCCAGCGGCGGTGCTTTCAAAG
64-1.06	CACGTTCTACCTA--ATTCCAGCGGCGGTGCTTTCAAAG
30-0.49	CACGTTCTACCTG--ATTCCAGCGGCGGTGCTTTCAAAG
16-0.26	CACGTTCTACCT-----TTCCAGCGGCGGTGCTTTCAAAG
13-0.21	CACGTTCTACCA----TTCCAGCGGCGGTGCTTTCAAAG
10-0.16	CACGTTCTA-----TTCCAGCGGCGGTGCTTTCAAAG
9-0.14	CACGTTCTACC-----TACCAGCGGCGGTGCTTTCAAAG
9-0.14	CACGTTCTACC-----TATGAGCGGCGGTGCTTTCAAAG
8-0.13	CACGTTCTACCTATGATTCCCAGCGGTGGTGTGCTTTCAAAG
8-0.13	CACGTTCTACC-----TCCAGCGGCGGTGCTTTCAAAG
8-0.13	CACGTTCTA-----CAGCGGCGGTGCTTTCAAAG
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# TALENs 3-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
39483-85.96	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
1915-4.16	CACGTTCTACCT---ATTCCAGCGGCGGTGCTTTCAAAG
530-1.15	CACGTTCTACCT--AATTCCAGCGGCGGTGCTTTCAAAG
475-1.03	CACGTTCTACCT----TTCCAGCGGCGGTGCTTTCAAAG
179-0.38	CACGTTCTACCT--GATTCCAGCGGCGGTGCTTTCAAAG
142-0.30	CACGTTCTACCT-----TCCAGCGGCGGTGCTTTCAAAG
120-0.26	CACGTTCTACCT-----TCCAGCGGCGGTGCTTTCAAAG
89-0.19	CACGTTCTACCA----TTCCAGCGGCGGTGCTTTCAAAG
53-0.11	CACGTTCTACCT---ATCCAGCGGCGGTGCTTTCAAAG
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### TALENs 3-2

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11661-85.11	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
610-4.45	CACGTTCTACCTAT---TCCCAGCGGCGGTGCTTTCAAAG
177-1.29	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
128-0.93	CACGTTCTACCTTT-----CCAGCGGCGGTGCTTTCAAAG
74-0.54	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG
72-0.52	CACGTTCTACCTT-----CCAGCGGCGGTGCTTTCAAAG
39-0.28	CACGTTCTACCAT---CCAGCGGCGGTGCTTTCAAAG
29-0.21	CACGTTCTACCTAT--TTCCCAGCGGCGGTGCTTTCAAAG
26-0.18	CACGTTCTACCTCC-----CAGCGGCGGTGCTTTCAAAG
14-0.10	CACGTTCTACCT-----CGGTGCTTTCAAAG
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### TALENs 3-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9739	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
444-3.92	CACGTTCTACCT---TATCCCAGCGGCGGTGCTTTCAAAG
113-1.00	CACGTTCTACCTT---TCCCAGCGGCGGTGCTTTCAAAG
93-0.82	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
37-0.32	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG
27-0.24	CACGTTCTACCT-----TCCCAGCGGCGGTGCTTTCAAAG
13-0.11	CACGTTCTACCT---GATCCCAGCGGCGGTGCTTTCAAAG
13-0.11	CACGTTCTA-----ATTCCCAGCGGCGGTGCTTTCAAAG
13-0.11	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
13-0.11	CACGTTCTACCAT---TCCCAGCGGCGGTGCTTTCAAAG
13-0.11	CACGTTCTACCTA---TCCCAGCGGCGGTGCTTTCAAAG
12-0.10	CACGTTCTACCTA--TTCCCAGCGGCGGTGCTTTCAAAG
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### TALENs+ODN 1-1

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8155-96.61	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15-0.17	CACGTTCTACCT---ATTCCCAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCTACCTATGATACCCAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCTAACTATGATTCCCAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCCACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
5-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
5-0.05	CACGTTCTACCTAGGATTCCCAGCGGCGGTGCTTTCAAAG
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### TALENs+ODN 1-2

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
7391-96.13	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11-0.14	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.10	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
7-0.09	CACGTTCTACCTA-----GCGGCGGTGCTTTCAAAG
7-0.09	CACGTTCTACCT---ATTCCCAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCTACCTATGATTCTAGCGGCGGTGCTTTCAAAG
6-0.07	CACGTTCTACCTG--ATTCCCAGCGGCGGTGCTTTCAAAG
5-0.06	CACGTTCTACCTAT-----CCAGCGGCGGTGCTTTCAAAG
5-0.06	CACGTTCTACCTA-----TGCGGTGCTTTCAAAG
5-0.06	CACGTTCTACCTATGATTCCCGCGGCGGTGCTTTCAAAG
5-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTATGATTCCCAGTGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTA-----CTTTCAAAG
4-0.04	CACGTTCTACCTATGATTCCCAGCAGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTATAATTCCCAGCGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTAACTATGATTCCCAGCGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
4-0.04	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
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### TALENs+ODN 1-3

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
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WT CACGTTCTACCTATGATTTCCACGCGGGTGCTTTCAAAG  
16-0.12 -----CAGCGGCGGTGCTTTCAAAG  
12-0.09 CACGTTCTACCTATGATTTCCACGCGGTGGTGCTTTCAAAG  
12-0.09 CACGTTCTGCCTATGATTTCCACGCGGGTGCTTTCAAAG  
11-0.08 CACGTTCTACCTATGATTTCCACGACGCGGTGCTTTCAAAG



9-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG

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# **TALENS+ODN 3-3**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
13010-97.09	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11-0.08	CACGTTCTACCTATGATTCCCAGCGGTGGTGTCTTTCAAAG
9-0.06	CACGTTCTACCTA---TTCCCAGCGGCGGTGCTTTCAAAG
9-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
8-0.05	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTA--ATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTCTCAAAG

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# **Only ODN 1-1**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12343-97.23	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
14-0.11	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCAGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATAATTCCCAGCGGCGGTGCTTTCAAAG

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# **Only ODN 1-2**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
11596-96.98	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
16-0.13	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.10	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
11-0.09	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
10-0.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTGCAAAG
7-0.05	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCAGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCTGCGGTGCTTTCAAAG
6-0.05	CACGTTCTACCTATGACTCCCAGCGGCGGTGCTTTCAAAG
6-0.05	CACGTTCTACCTATGATTCCCAGTGCGGTGCTTTCAAAG
6-0.05	CACGTTCTACCTATAATTCCCAGCGGCGGTGCTTTCAAAG

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# **Only ODN 1-3**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
13691-97.17	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
14-0.09	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
10-0.07	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTACCTACGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
9-0.06	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTATGATTCCCTAGCGGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTAGGATTCCCAGCGGCGGTGCTTTCAAAG

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# **Only ODN 2-1**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
19123-97.52	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.06	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.05	CACGTTCTACCTGTGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG

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# **Only ODN 2-2**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
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16407-96.7	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
19-0.11	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
18-0.10	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
16-0.09	CACGTTCTACCTATGATTCCCAGTGGCGGTGCTTTCAAAG
16-0.09	CACGTTCTACCTATGATTCCCAGCGGCGATGCTTTCAAAG
15-0.08	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
13-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTGCAAAG
11-0.06	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
11-0.06	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
11-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTCAAAG
10-0.05	CACGTTCTACCTATGATTCCCGCGGCGGTGCTTTCAAAG
9-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
9-0.05	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
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# **Only ODN 2-3**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
18777-97.19	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
16-0.08	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
14-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
14-0.07	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
12-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
11-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGATTTCAAAG
11-0.05	CACGTTCTACCTATGATTCCCAGTGGCGGTGCTTTCAAAG
10-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGCGCTTTCAAAG
10-0.05	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
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# **Only ODN 3-1**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12013-96.71	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15-0.12	CACGTTCTACCTAT---TCCCAGCGGCGGTGCTTTCAAAG
15-0.12a	CACGTTCTACCTAT----CCAGCGGCGGTGCTTTCAAAG
14-0.11	CACGTTCTACCCATGATTCCCAGCGGCGGTGCTTTCAAAG
13-0.10	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
12-0.09	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTGCAAAG
8-0.06	CACGTTCTACCTATGACTCCCAGCGGCGGTGCTTTCAAAG
8-0.06	CACGTTCTACCTATGATTCCCTGCGGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCTGCGGTGCTTTCAAAG
7-0.05	CACGTTCTACCTATGATTCCCAGCTGCGGTGCTTTCAAAG
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# **Only ODN 3-2**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15618-97.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
20-0.12	CACGTTCTACCTAT----CCAGCGGCGGTGCTTTCAAAG
15-0.09	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
14-0.08	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
13-0.08	CACGTTCTACCTATGATTCCCAGCAGCGGTGCTTTCAAAG
12-0.07	CACGTTCTACCTATGATTCCCAGCGGCGGTCTTTCAAAG
11-0.06	CACGTTCTACCTATGATTCCCAGTGGCGGTGCTTTCAAAG
10-0.06	CACGTTCTACCTACGATTCCCAGCGGCGGTGCTTTCAAAG
10-0.06	CACGTTCTACCTATGATTCCCAGCGGCGGTACTTTCAAAG
9-0.05	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
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# **Only ODN 3-3**

WT	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
15440-97.16	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
23-0.14	CACGTTCTACCTATGATTCCCAGCGGCGGTGCTTTCAAAG
21-0.13	CACGTTCTGCCTATGATTCCCAGCGGCGGTGCTTTCAAAG
18-0.11	CACGTTCTACCTAT----CCAGCGGCGGTGCTTTCAAAG
12-0.07	-----CACGCGGTGCTTTCAAAG

10-0.06	CACGTTCTACCTATGATTCCCTAGCGGCGGTGCTTTCAAAG
8-0.05	CACGTTCTACCTATGATTCCAGCGGCGGTGCTTTCAAAG
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