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# Addendum: High-resolution specificity profiling and off-target prediction for site-specific DNA recombinases

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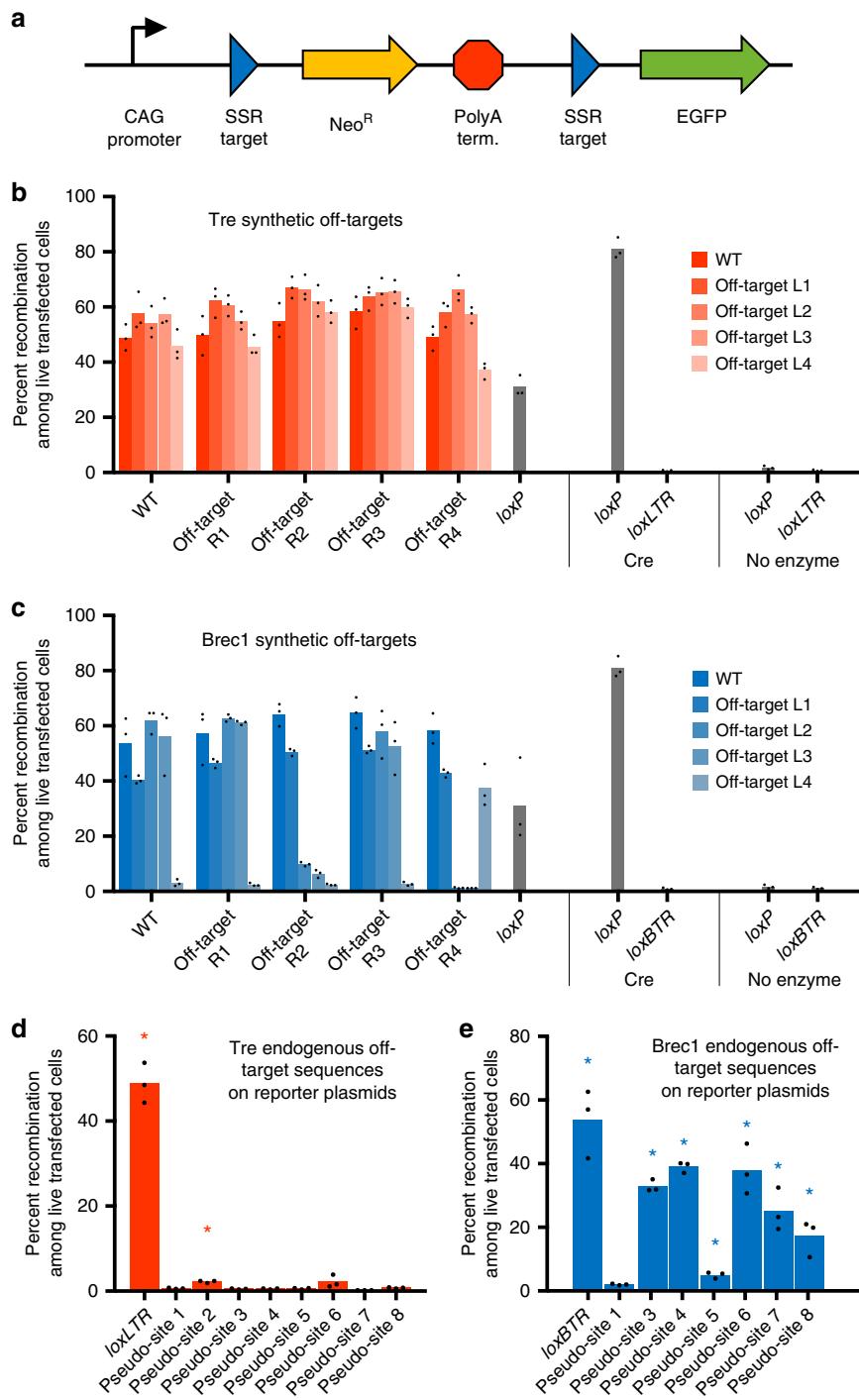
The authors have become aware that ‘BTR pseudo-site 2’ inadvertently contains two incorrect nucleotides and does not match the sequence of the pseudo-site in the human genome. The data points corresponding to this construct in Fig. 5e and Supplementary Table 5 are therefore no longer valid. However, the overall conclusion that Rec-seq can predict the activity of site-specific recombinases on endogenous human genomic pseudo-sites remains unaffected by this error. Updated versions of Fig. 5 and Supplementary Table 5 are presented below as Figures 1 and Table 1 respectively.

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**Fig. 1**

**Table 1 Human genomic off-target substrates for Brec1**

Name	Sequence	Non-core mismatches	Genomic location
BTR	AACCCACTGCTTAAGCCTCAATAAGCTTGCCTT	--	--
BTR-off 1	TATACACTGCTTACTAAGCTGTAAAGACTTGGTGT	8	chr12 + 90808809
BTR-off 3	CTCCCGCTGCTTACGTGCTTTAACCATGTTCC	9	chr1 - 159864674
BTR-off 4	TCCATACAGGTTAGCATGTAATAAAATCATGGCTT	9	chr3 - 167733225
BTR-off 5	CCGGCGCTGCTTATTTCGGCTTAACCTCTGGTTT	9	chr4 + 13484892
BTR-off 6	AACTGTCTGCTTAAGGAAATATAACTCTTGCTTT	6	chr7 - 125265273
BTR-off 7	ATCAAACGTTTAGTTAGAATAAAACATGCTAT	8	2 instances
BTR-off 8	AAAGGACTGGTTAACACCCCCCTAATTCCCTGCCCA	9	chr12 + 103496569

Human genomic off-target Brec1. Mismatches relative to *loxBTR* (red) and core sequences (gray) are highlighted.