

G	G	G	...	T	G	G
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Target DNA

0	0	0	...	0	0	0
1	1	1	...	0	1	1
0	0	0	...	0	0	0
0	0	0	...	1	0	0

One-Hot Encoding
of the Nucleotides



0	0	0	...	0	0	0
1	1	1	...	0	1	1
0	0	0	...	0	0	0
0	0	0	...	1	0	0
0	1	0	...	0	0	0
0	0	1	...	0	1	1
0	0	0	...	0	0	0
1	0	0	...	1	0	0

$8 \times L$ Encoded
Matrix
with sgRNA-DNA
Information



0	1	0	...	0	0	0
0	0	1	...	0	1	1
0	0	0	...	0	0	0
1	0	0	...	1	0	0

One-Hot Encoding
of the Nucleotides

T	A	G	...	T	G	G
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Guide RNA