Library	1*	2	3	4	5	6	7	8	9 ^{*†}	10	11
Library size [‡]	1×10 ⁷	1×10 ⁷	5×10 ⁶	2×10 ⁷	6×10 ⁷	5×10 ⁷	6×10 ⁷	5×10 ⁷	1×10 ⁸	1×10 ⁸	1×10 ⁸
Leu (µM) [§]	45	30, 15 [¶]	7.5, 0 [¶]	0	0	0	0	0	0	0	0
No. of sorting	2	2	2	2	2	2	2	3 ^{II}	2	2	3 ["]

Table 3. Libraries and screening conditions

^{*}Measured mutation rates in libraries 1 and 9 were 2.4 and 1.9 mutations per gene, respectively. [†]Clone 8.3.3 was used for library generation.

[‡]Library size was determined by counting colonies after spreading on agar plates.

[§]Leu concentration in medium during protein expression.

[¶]Leu concentration for the first and second sortings, respectively.

^{II}After sorting twice, the genes for the GFP mutants were transferred into fresh pQE-80L plasmids.