

Table S5. Drug resistance of isolates from xpC culture, as assessed from replica plating.

Source plate	Tmp ^R Kan ^R Car ^R colonies	Tmp ^R Car ^R colonies	Kan ^R Car ^R colonies	Only Car ^R colonies	Total Car ^R colonies	Tmp ^R Car ^R / (total Car ^R) correction
1	2	14	18	150	184	7.6%
2	5	9	24	119	157	5.7%
3	2	5	24	166	197	2.5%
4	1	8	23	158	190	4.2%

“Total Car^R colonies” is the sum of all colonies on the previous 4 columns (and matches the total number of colonies on the original LB+Car source plate. Tmp^RCar^R / (total Car^R) correction indicates the percentage of all Car^R colonies that are in fact Tmp^R Car^R. This represents the % of the xpC pool that bears a mutagenized *DCW1*-FLAG expression vector, and was used to correct the xpC pool size shown in Table 1 of the main paper.