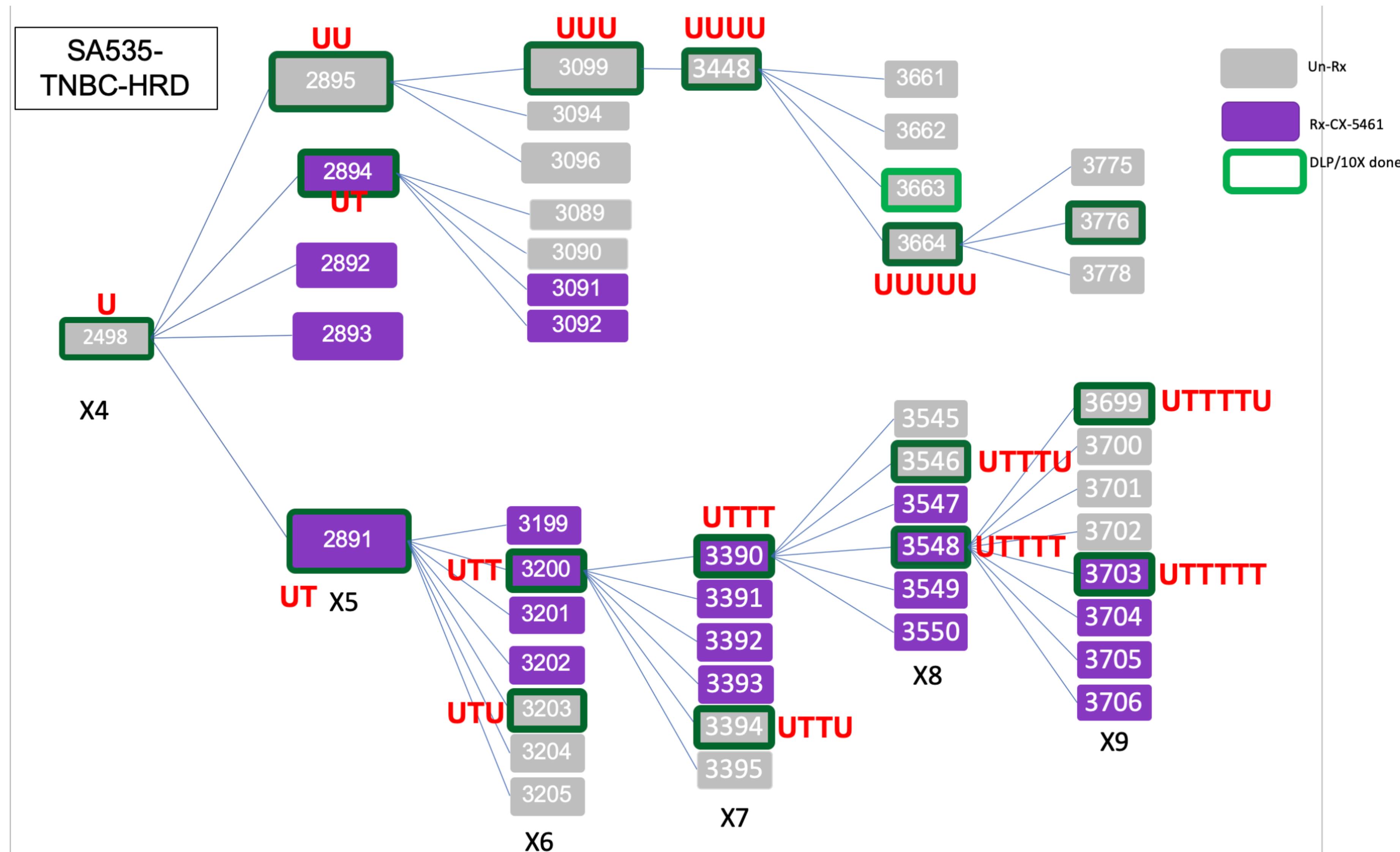


# **SA535 DLP analysis**

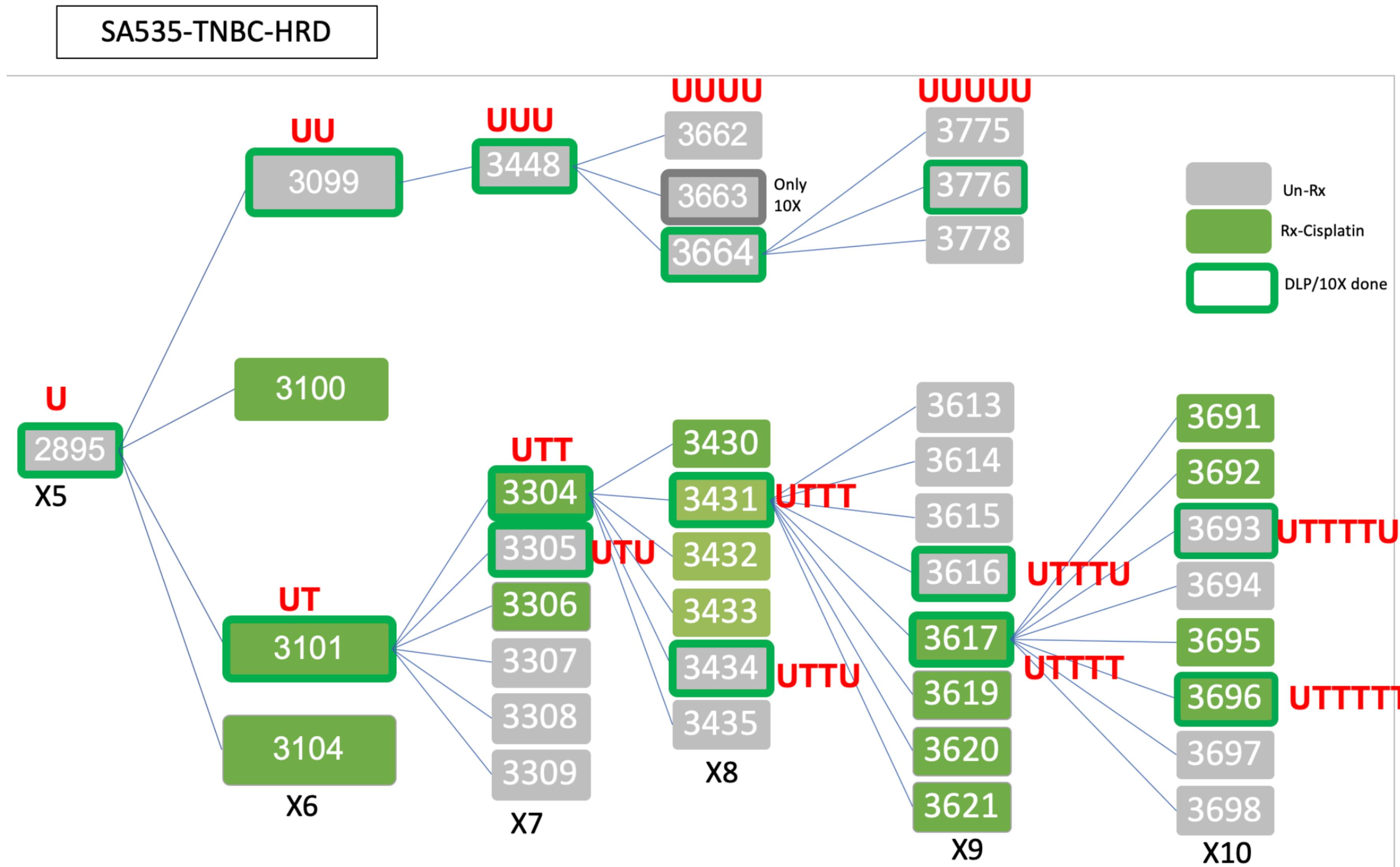
## **Cisplatin & CX5461**

Hoa Tran  
Aparicio Lab, 05 Nov 2020

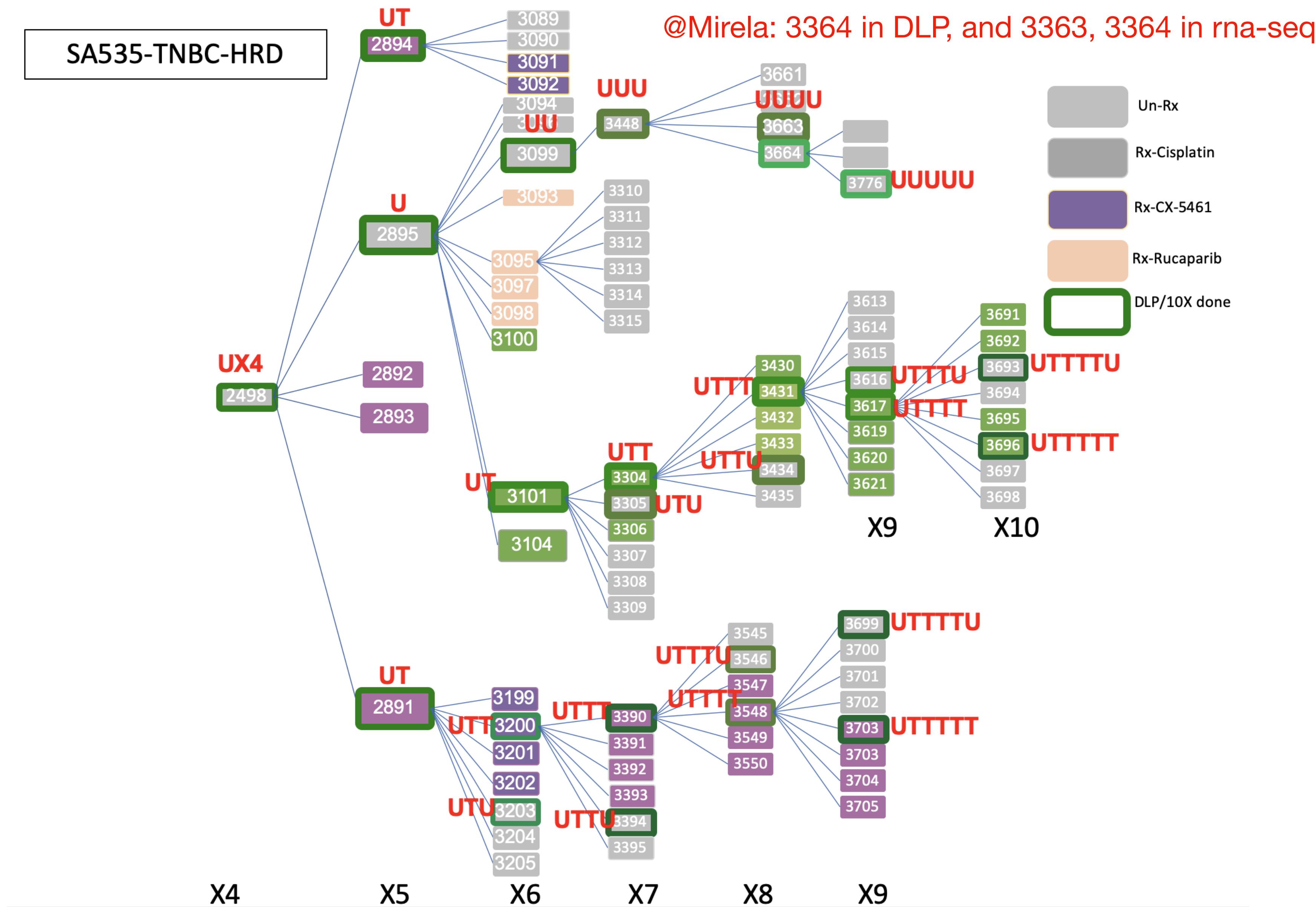
# SA535 CX5461 experiment design



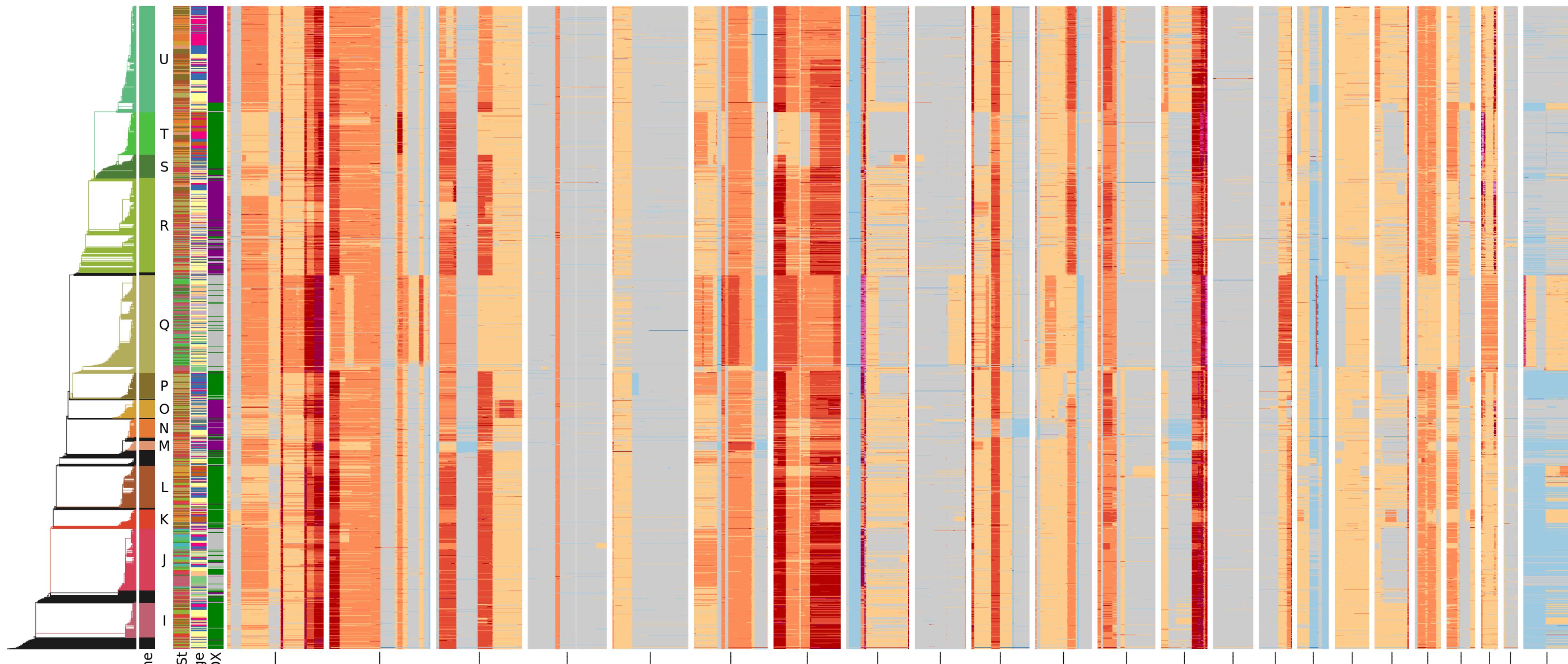
# SA535 Cisplatin experiment design



# SA535 CX5461, Cisplatin experiment design



# Corrupt tree combined cisplatin, CX5461 SA535



Clone	TreatmentSt	Passage PDX	Copy Number
I (463)	U	UX4	0
J (822)	UT	X05	4
K (253)	UTT	X06	8
L (555)	UTTT	X07	9
M (117)	UTTTT	X08	5
N (245)	UTTTTU	X09	10
None (675)	UTTU	X10	6
U (1416)	UTU	SA535_cisplatin	7
O (242)	UU	SA535_CX5461	11+
P (333)	UUU	SA535_untreated	1
Q (1311)	UUUU		2
R (1259)	UUUUU		3
S (312)	UUUUU		0
T (566)	UUUUUU		1

# Corrupt tree heatmap combined tree

7894/8569

Total cells = 7894

Q (n = 1311, 15.3%)

P (n = 333, 3.9%)

R (n = 1259, 14.7%)

U (n = 1416, 16.5%)

T (n = 566, 6.6%)

S (n = 312, 3.6%)

N (n = 245, 2.9%)

M (n = 117, 1.4%)

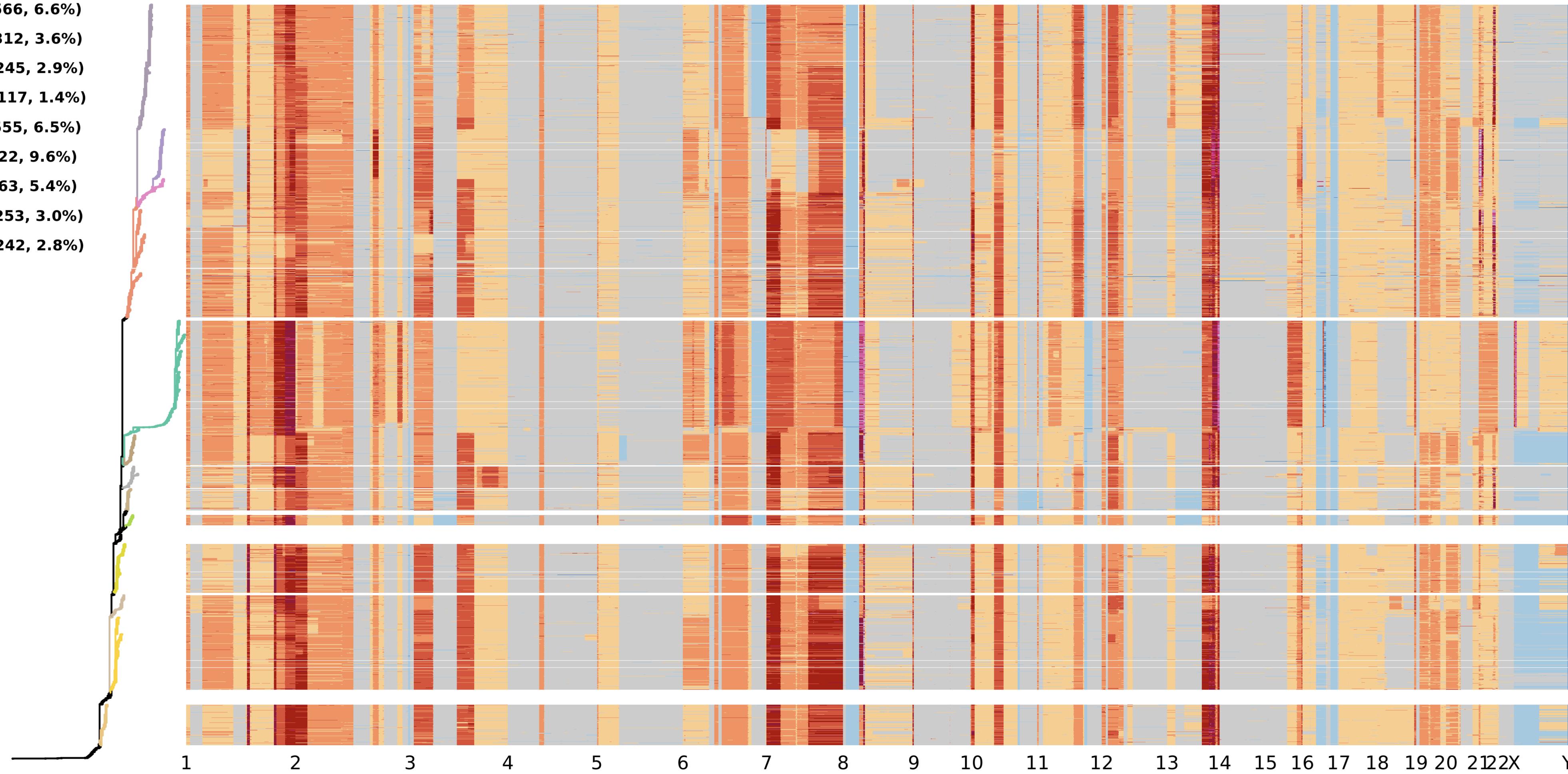
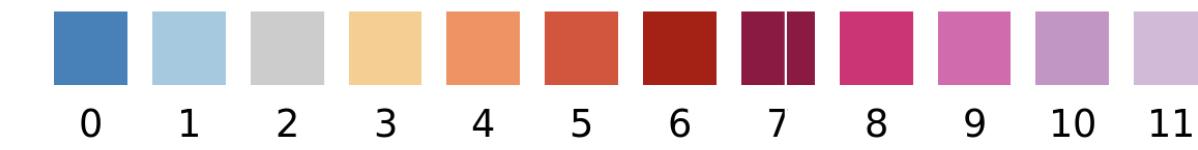
L (n = 555, 6.5%)

J (n = 822, 9.6%)

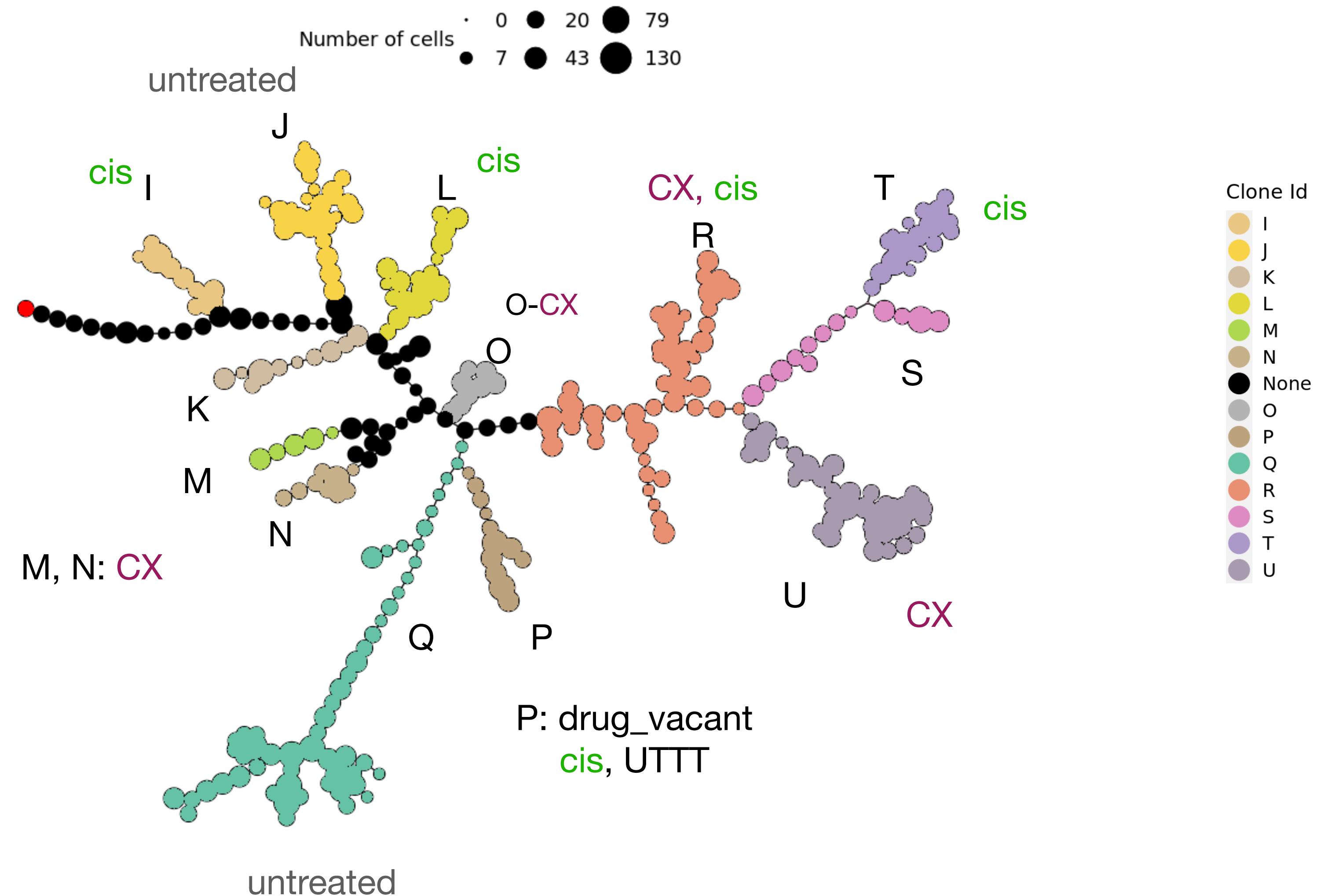
I (n = 463, 5.4%)

K (n = 253, 3.0%)

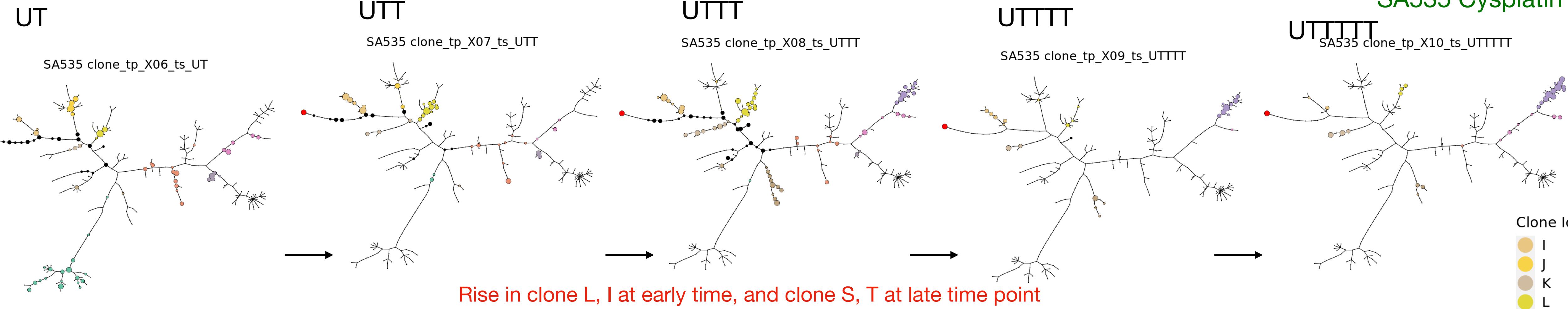
O (n = 242, 2.8%)



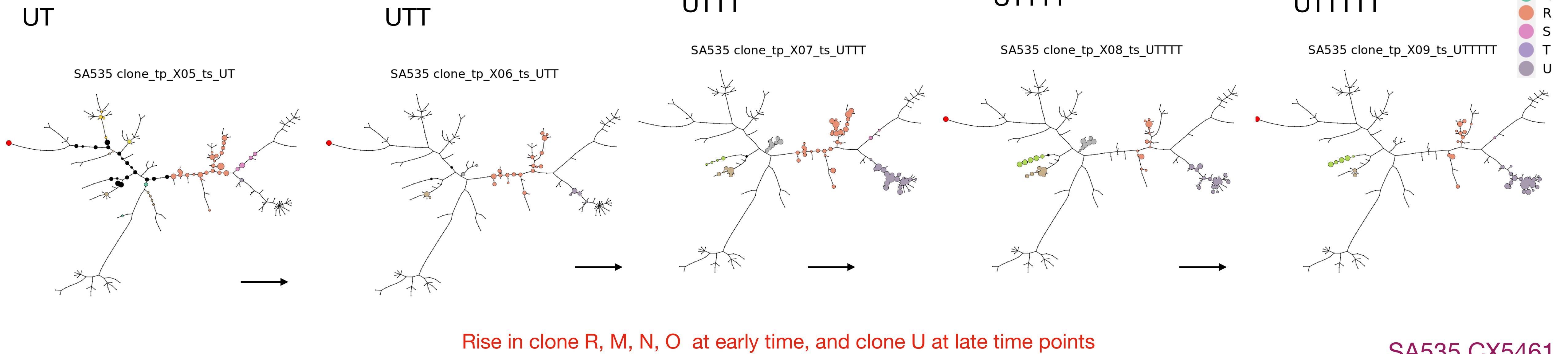
# Tree Trajectory



## SA535 Cysplatin

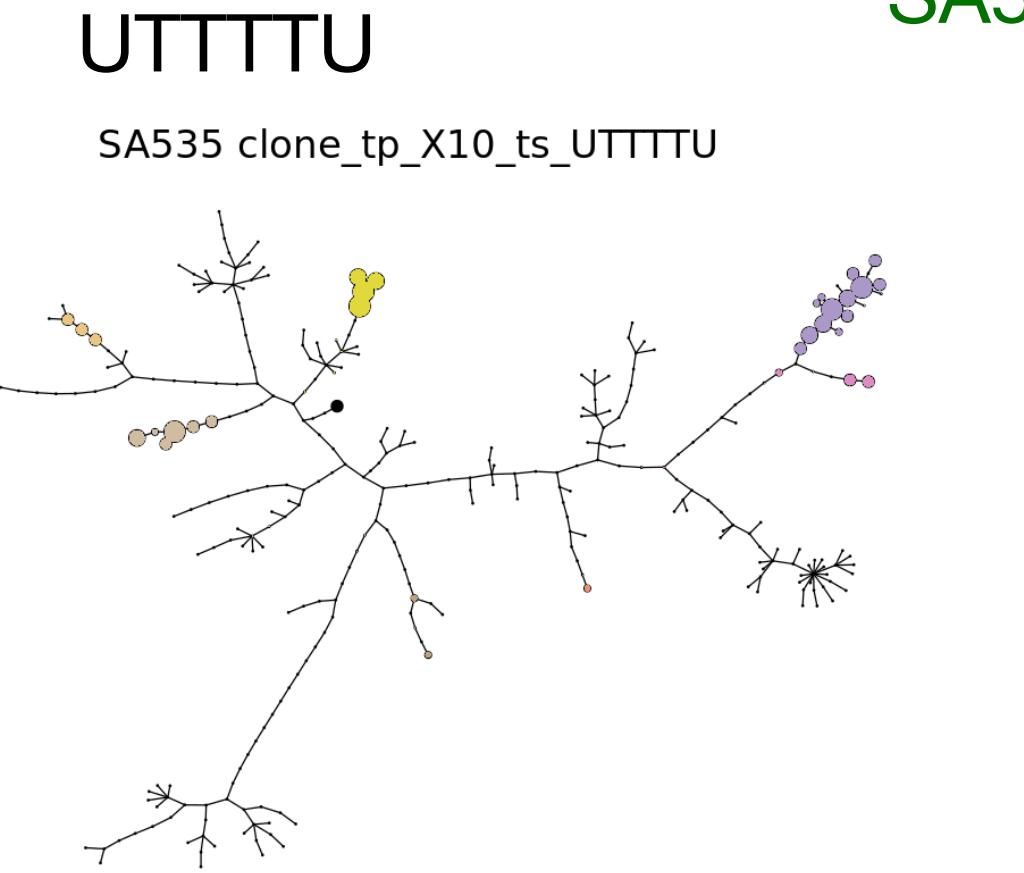
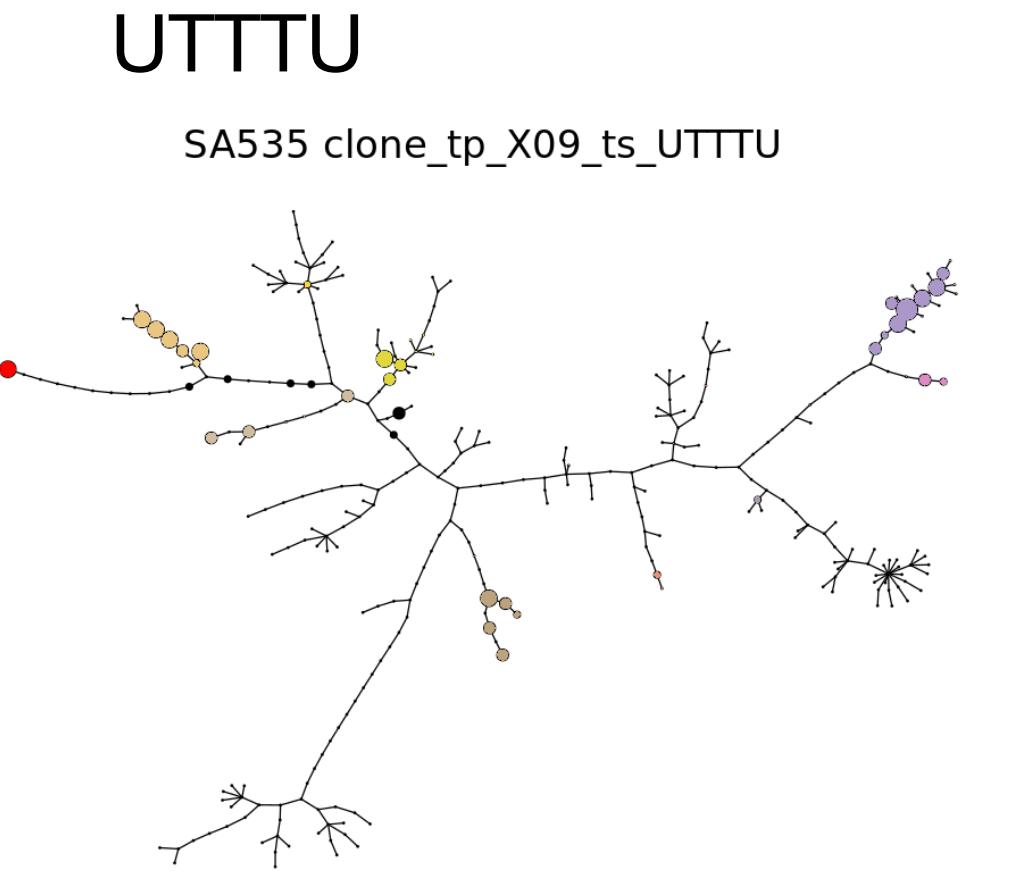
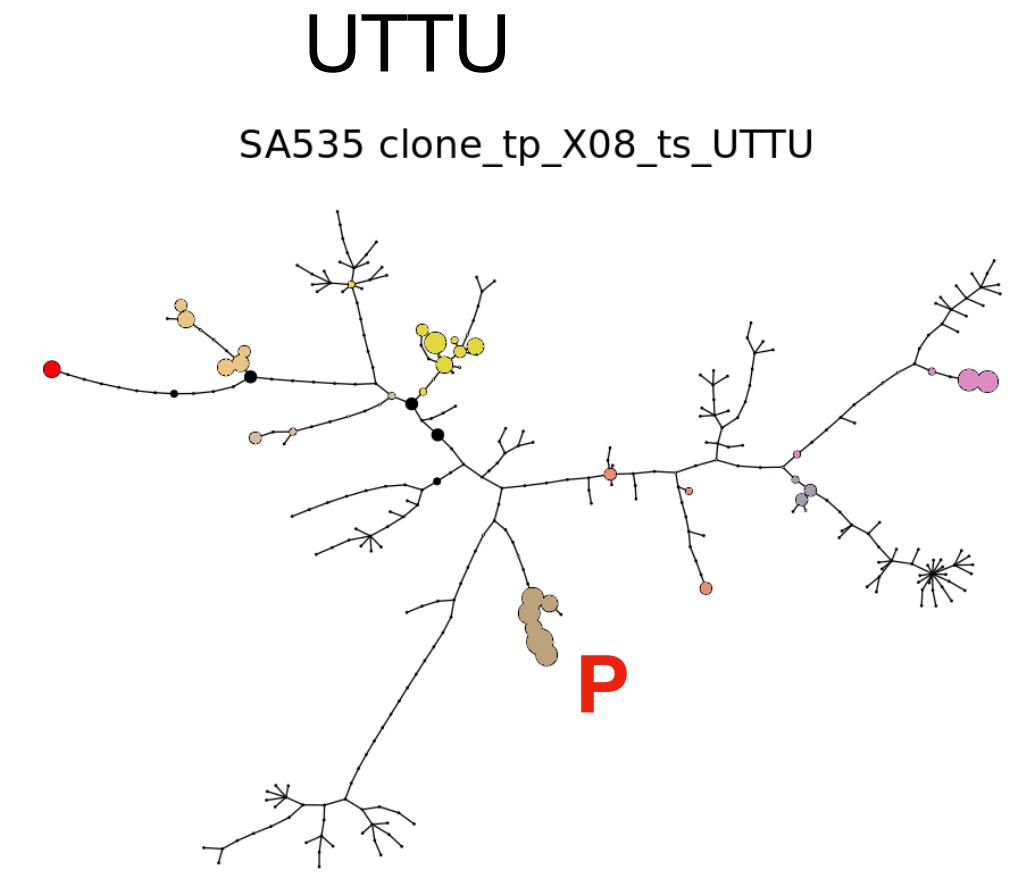
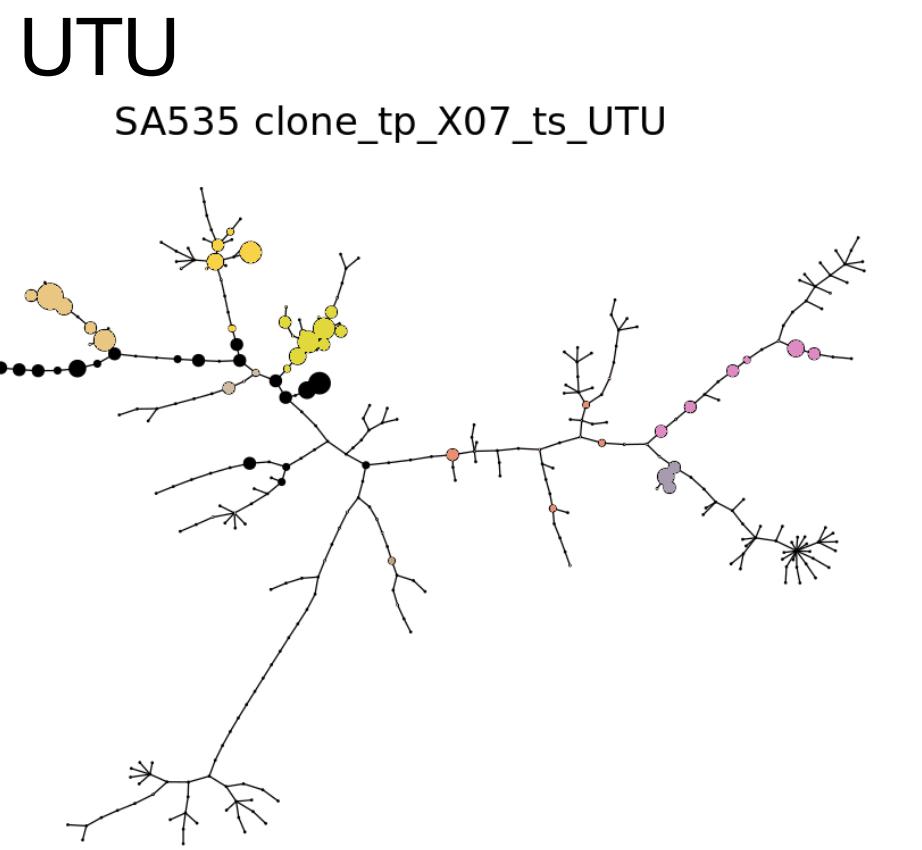


## SA535 CX5461

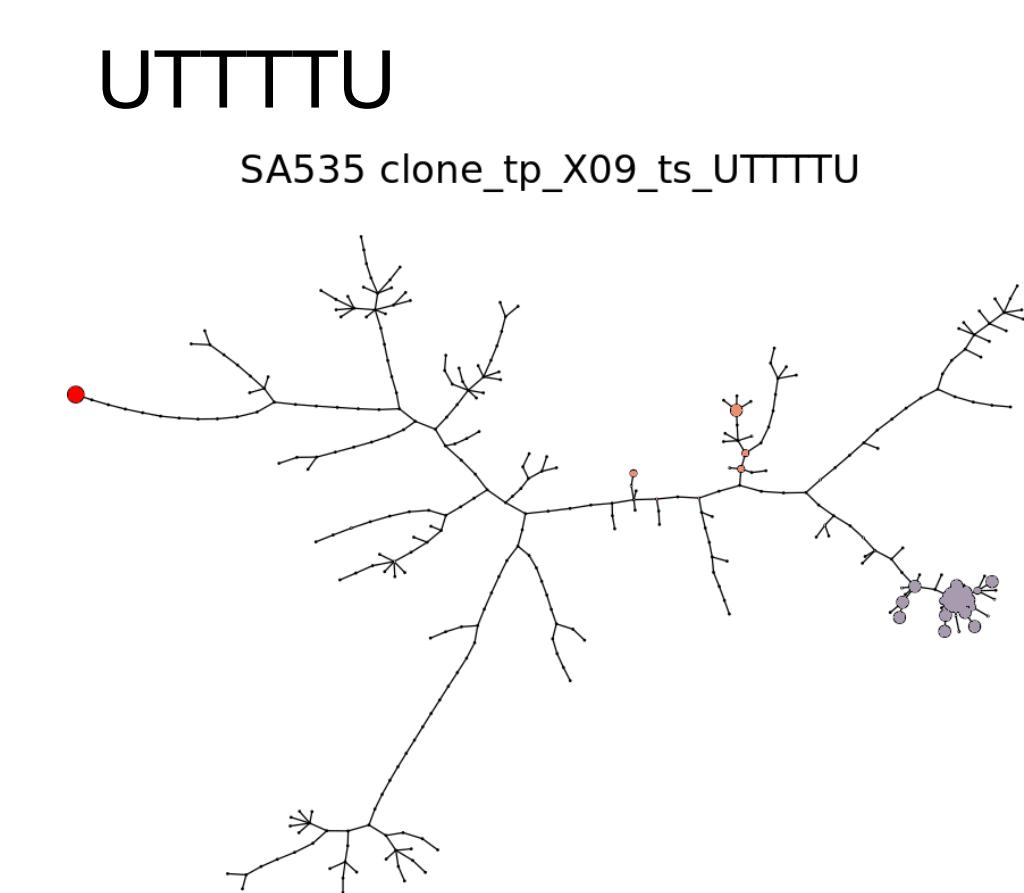
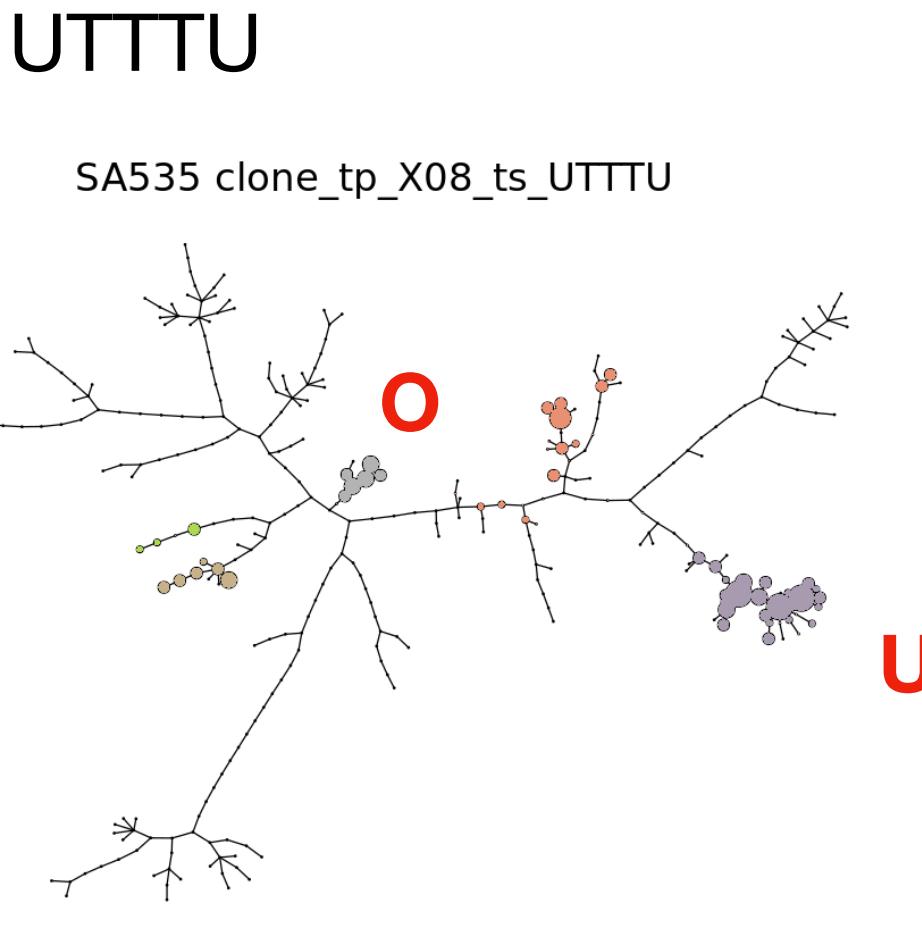
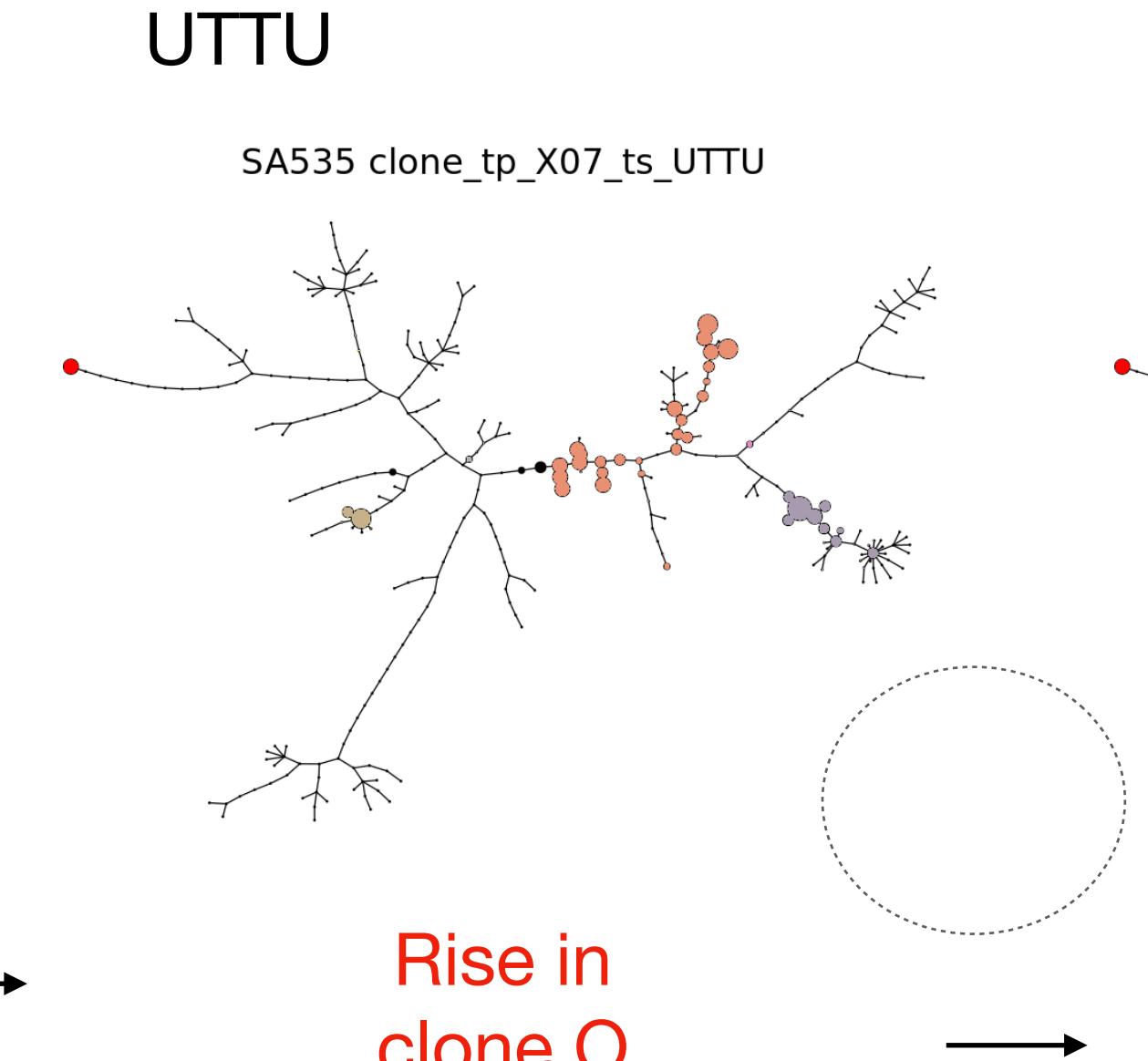
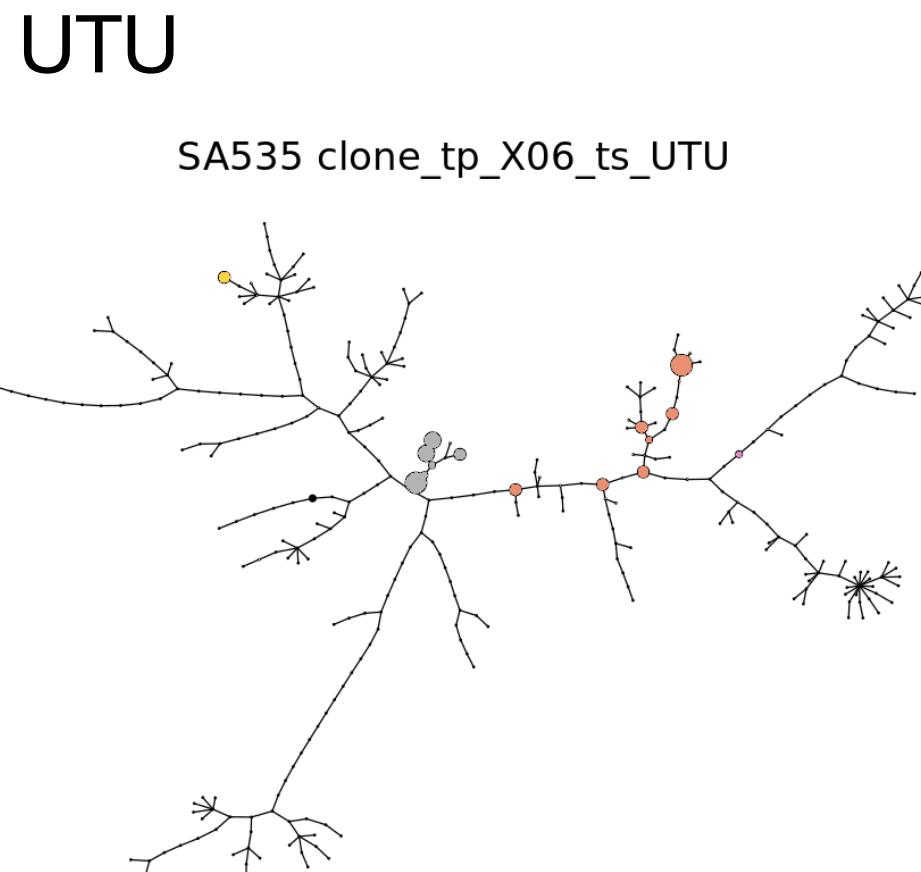


SA535 Cysplatin

**Drug  
Vacant**



drug vacant  
Rise in clone T  
at late time point  
Cisplatin



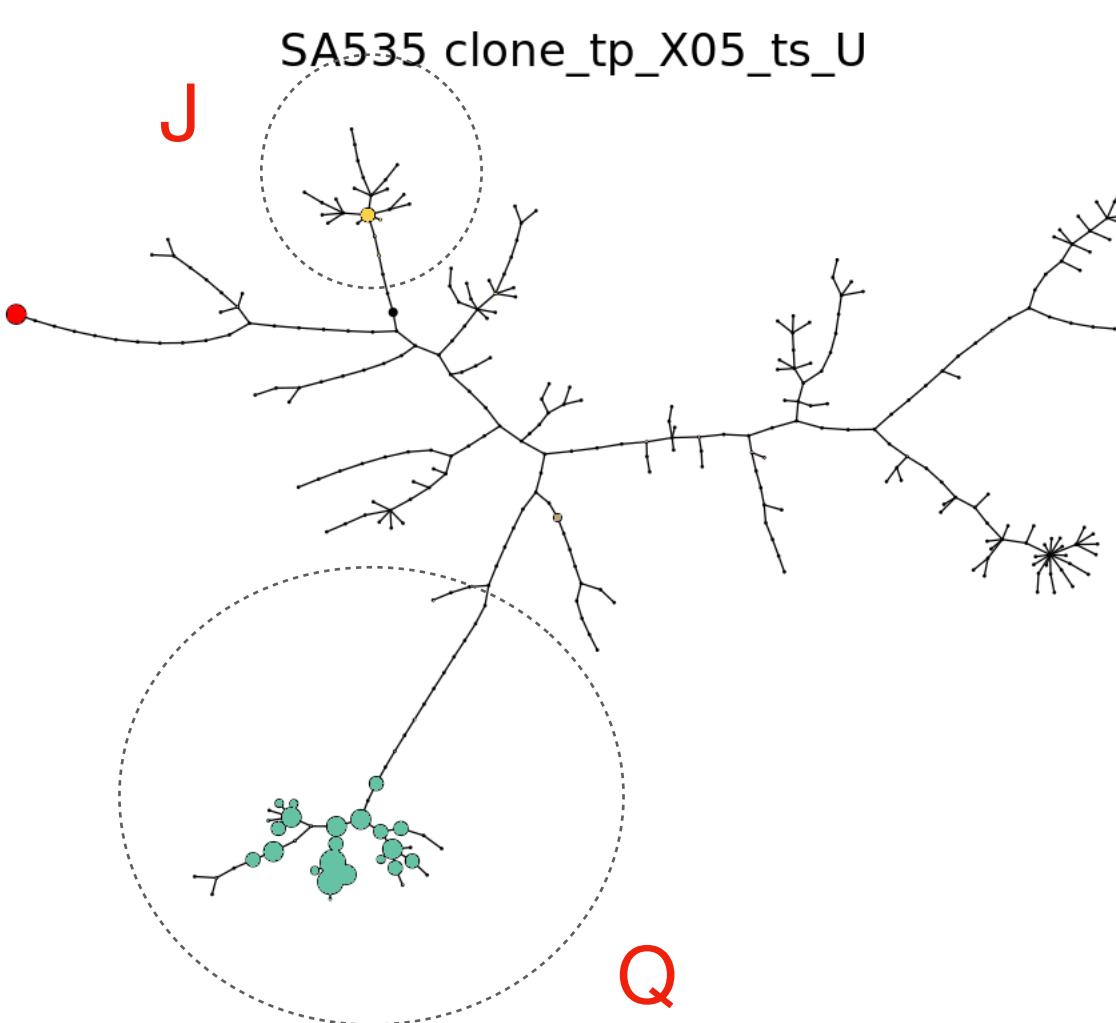
Rise in  
clone O  
drug vacant

Rise in  
clone U  
at late time point

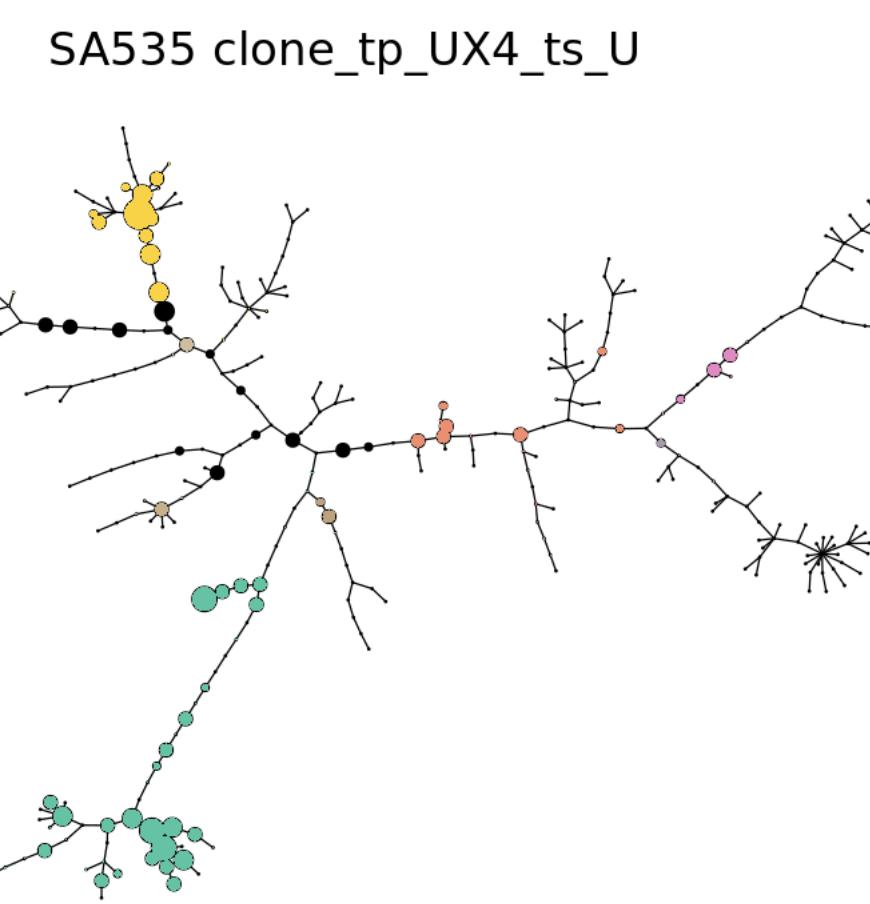
SA535 CX5461

# Untreated cells

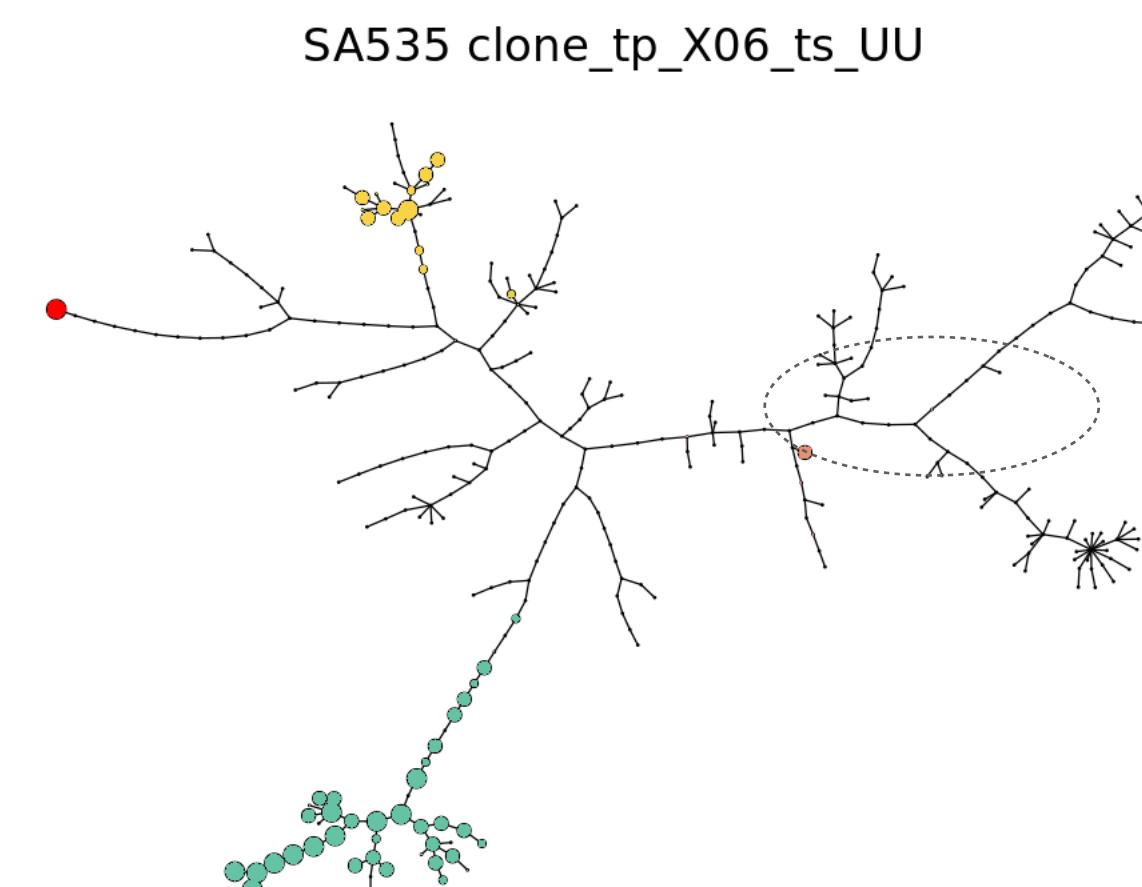
UX4



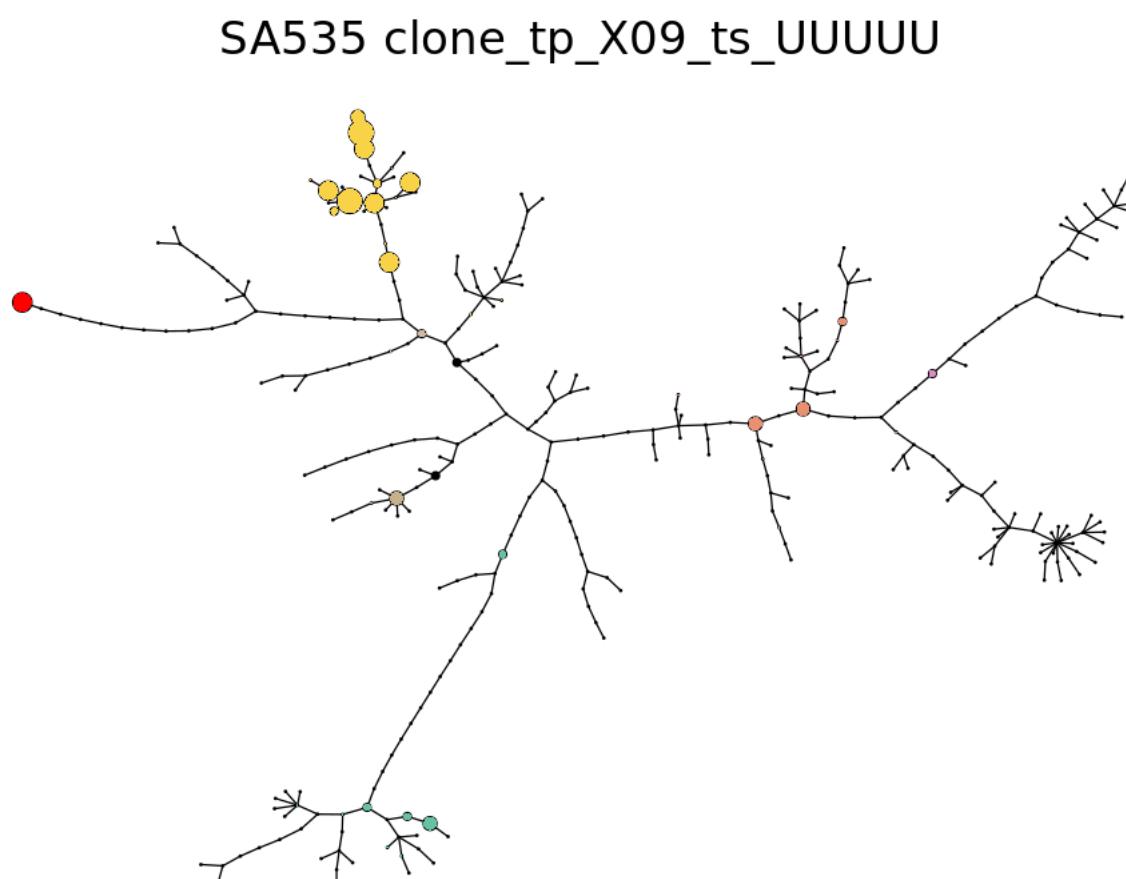
U



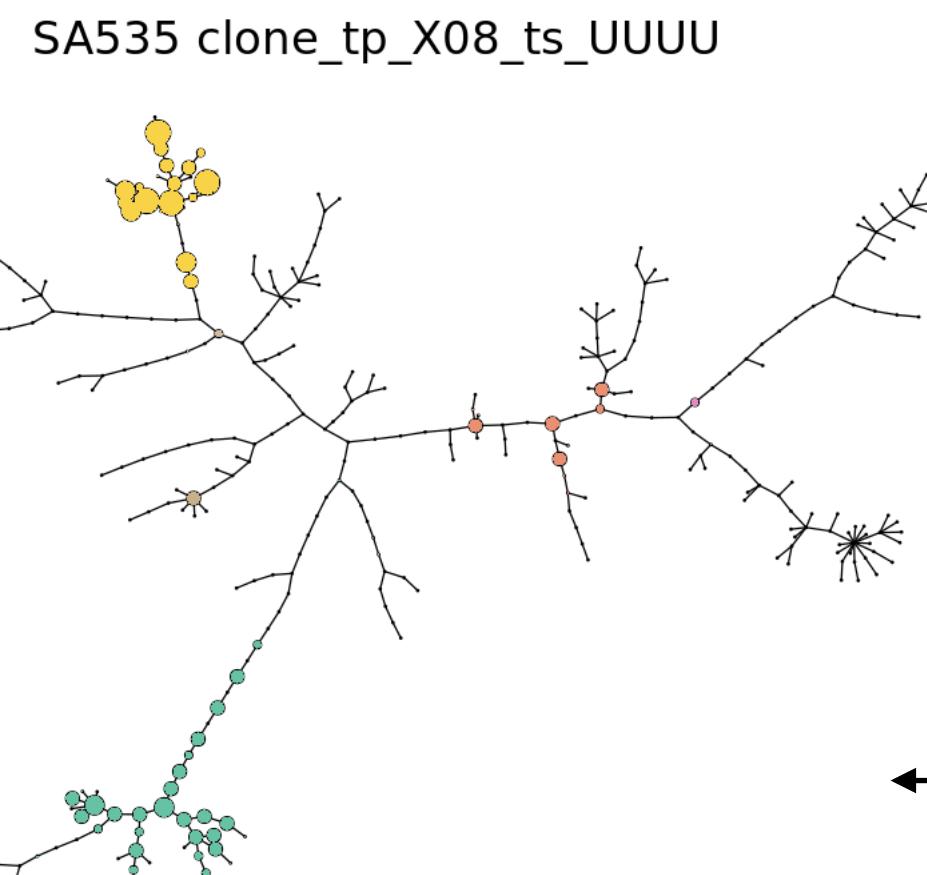
UU



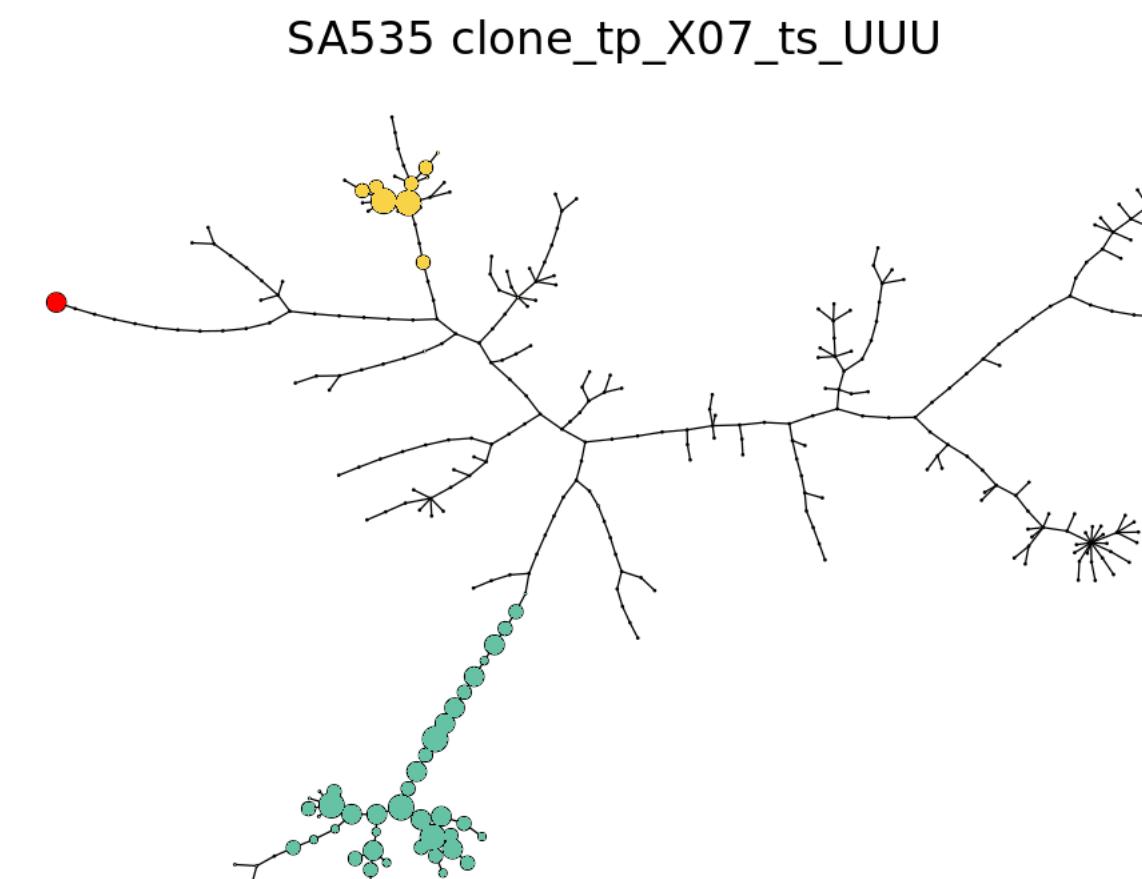
UUUUU

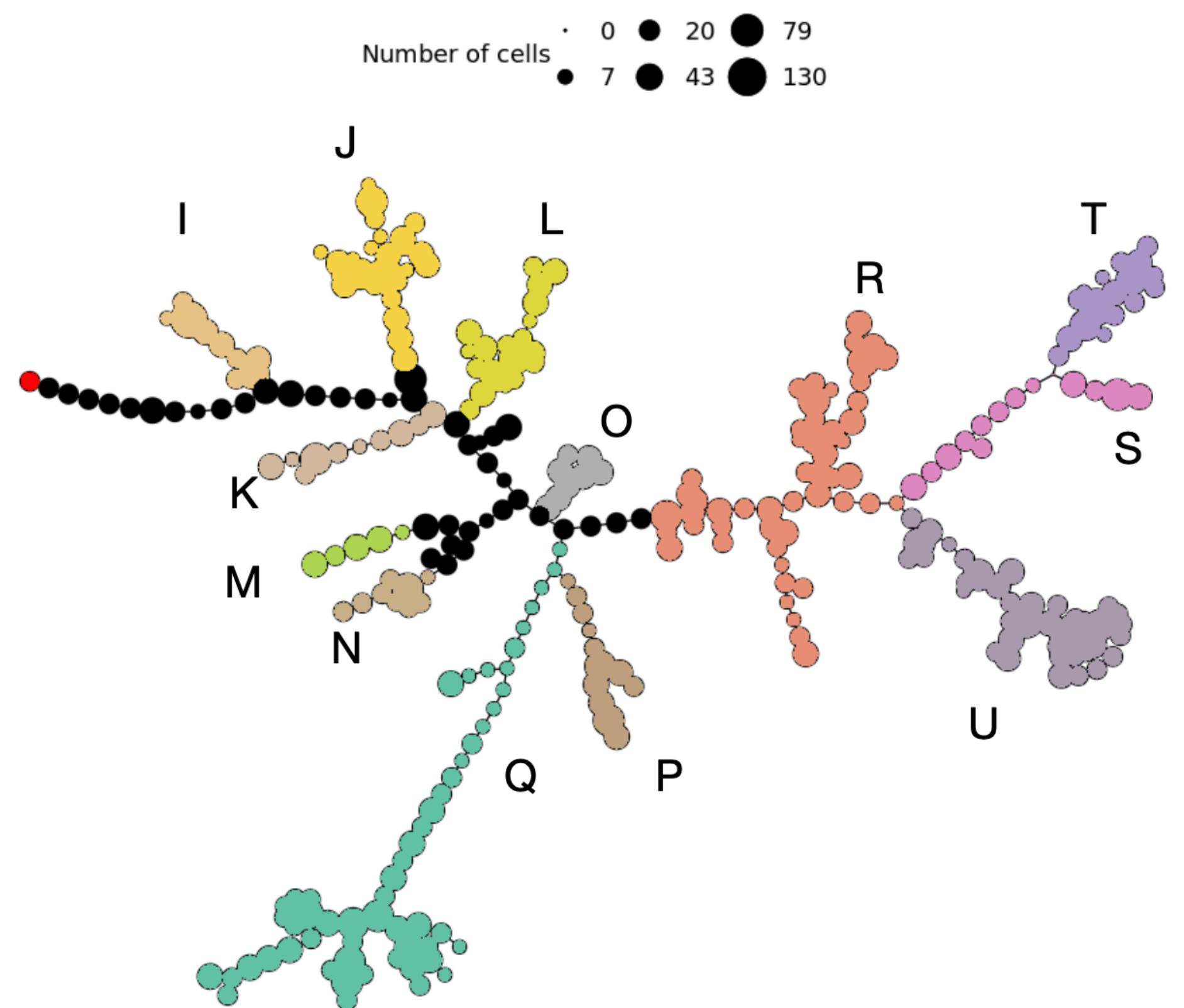


UUUU



UUU

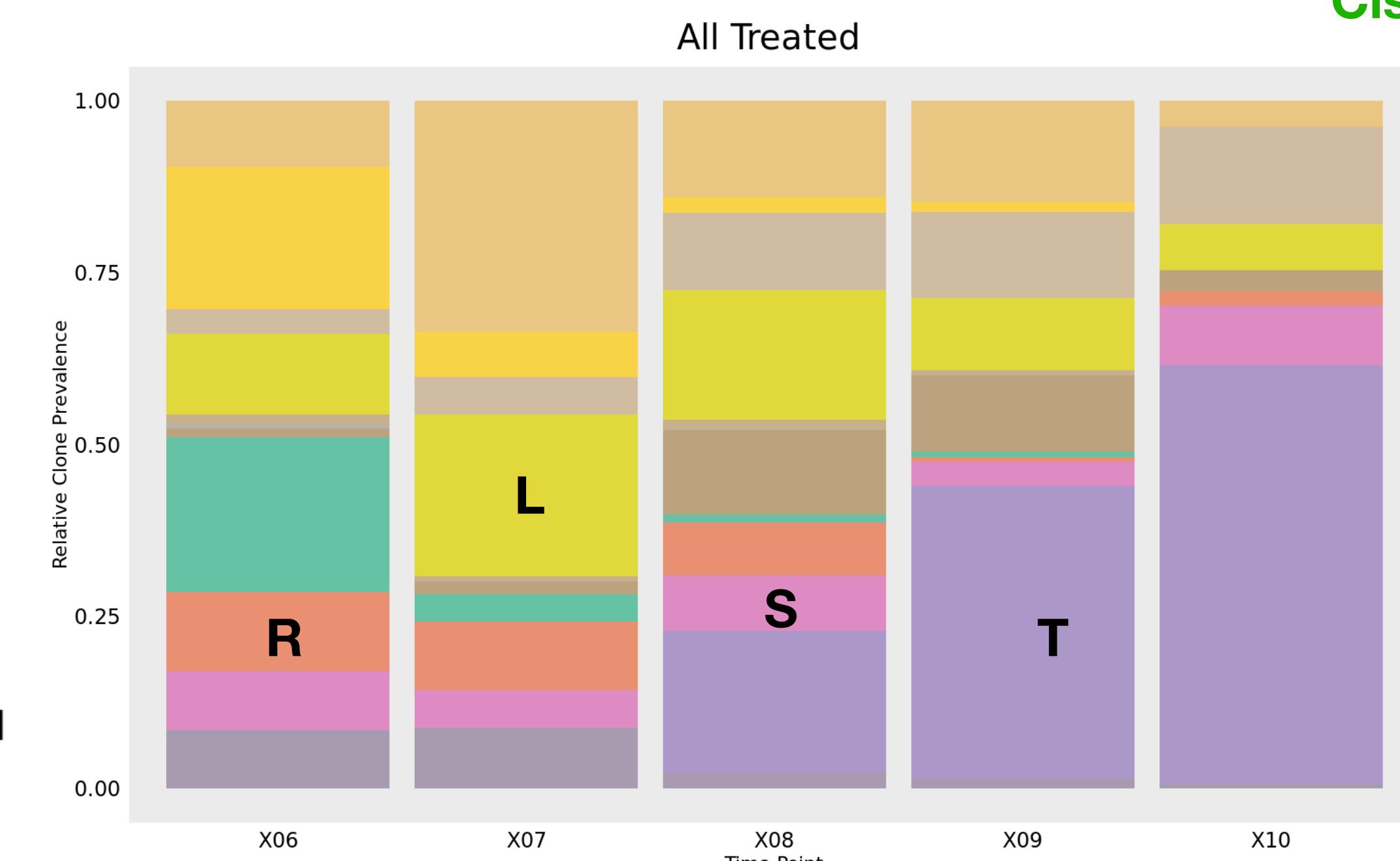




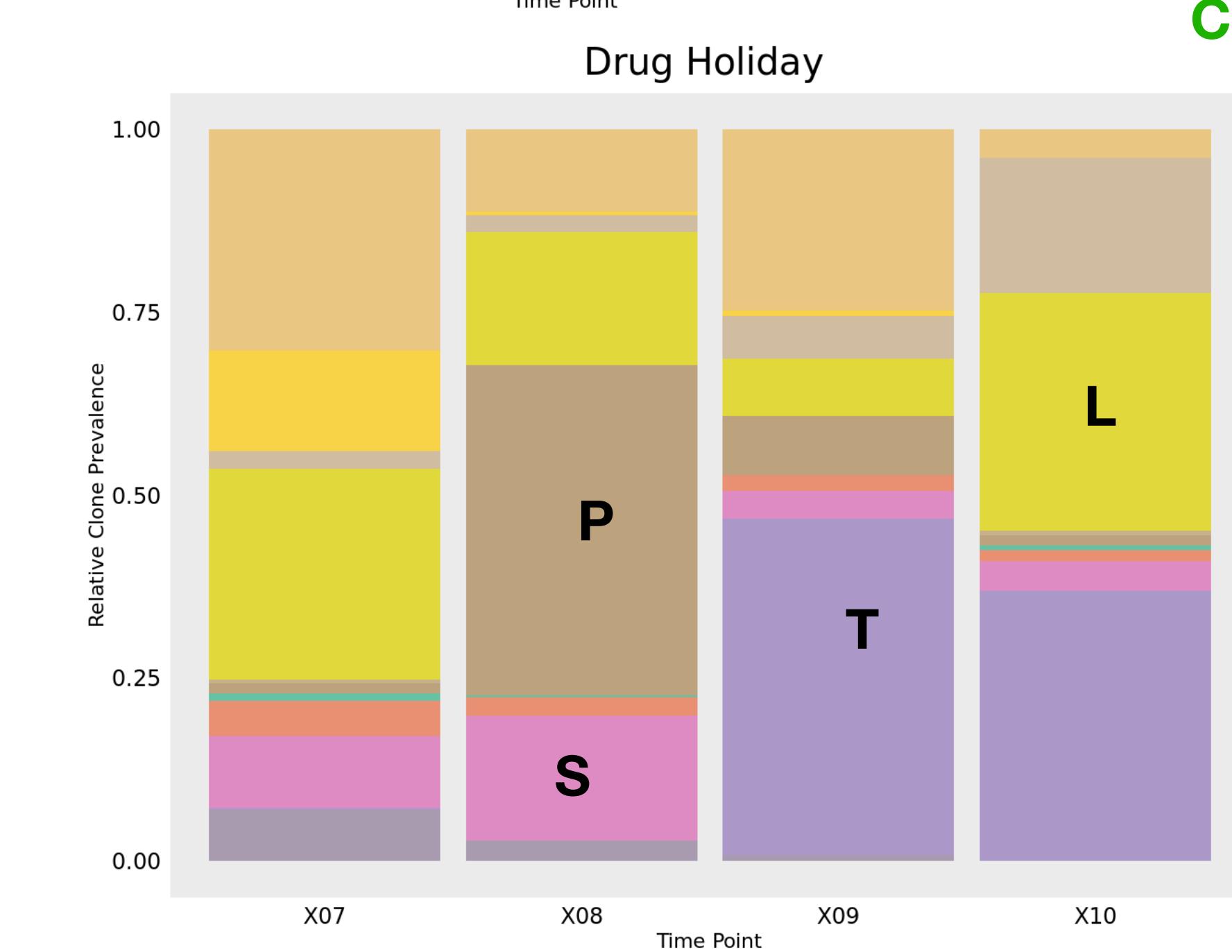
Clone Id

- I
- J
- K
- L
- M
- N
- None
- O
- P
- Q
- R
- S
- T
- U

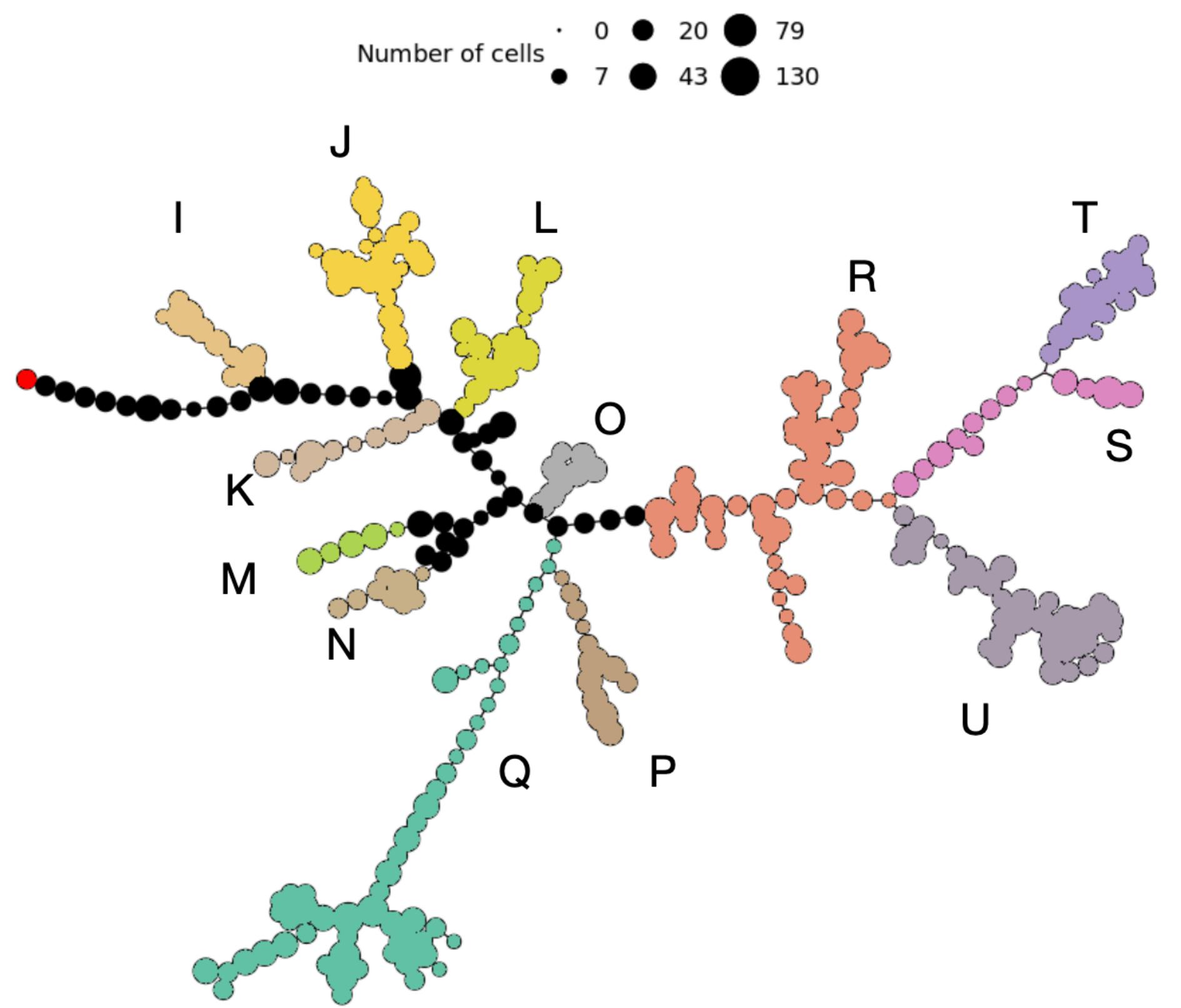
Cisplatin drug treatment: clone P reversed back during drug holiday



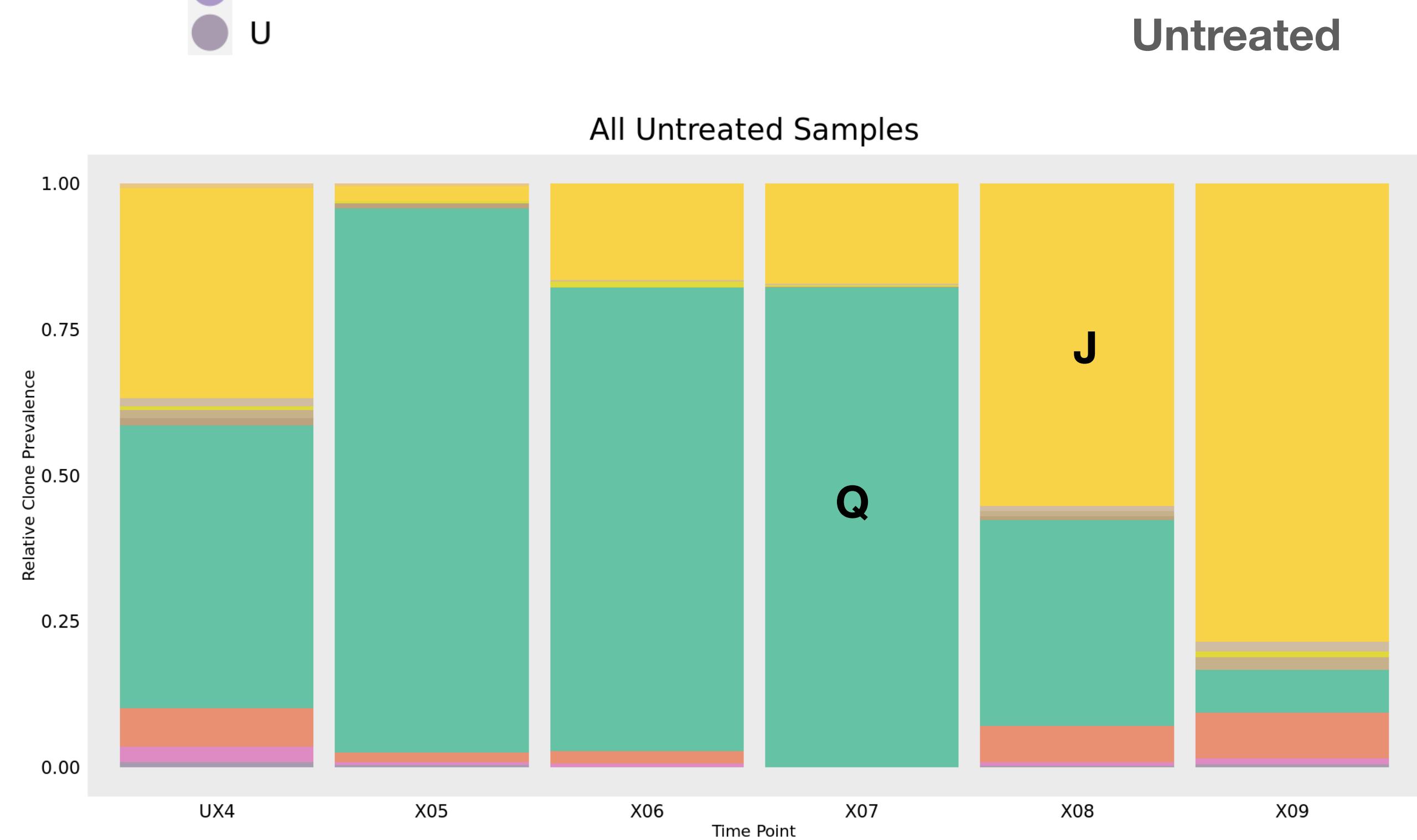
Cisplatin

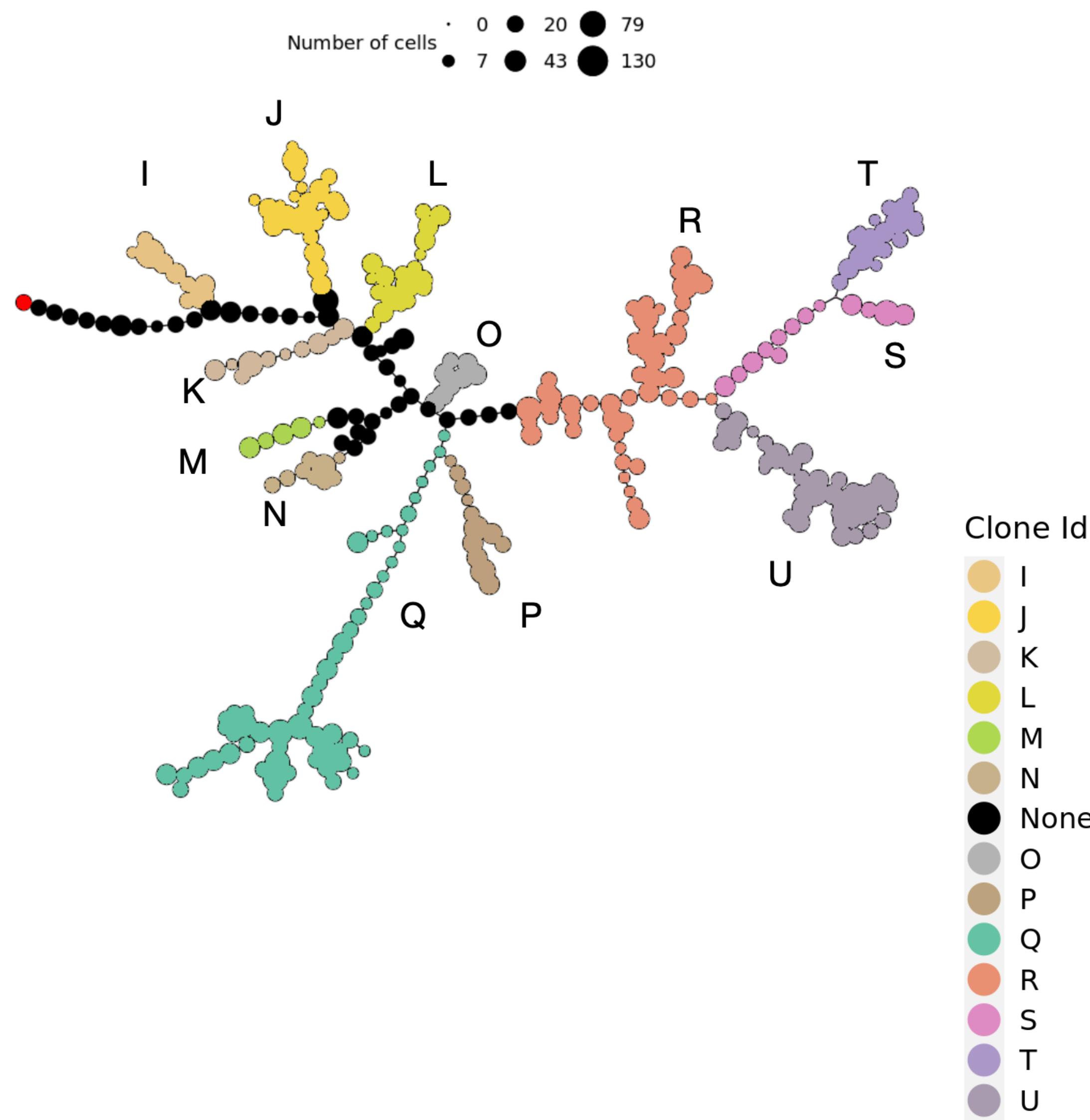


Cisplatin

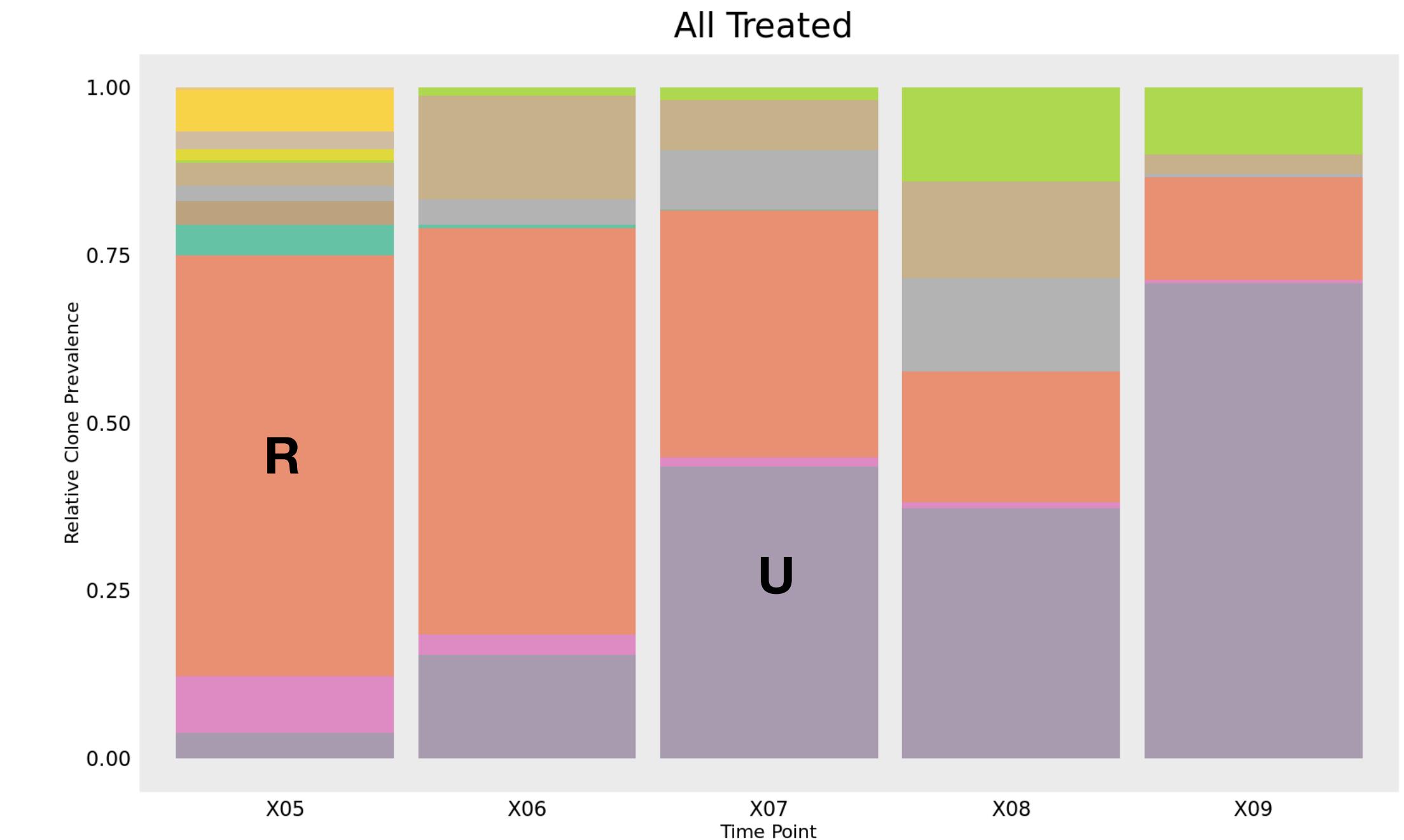


# Untreated cells

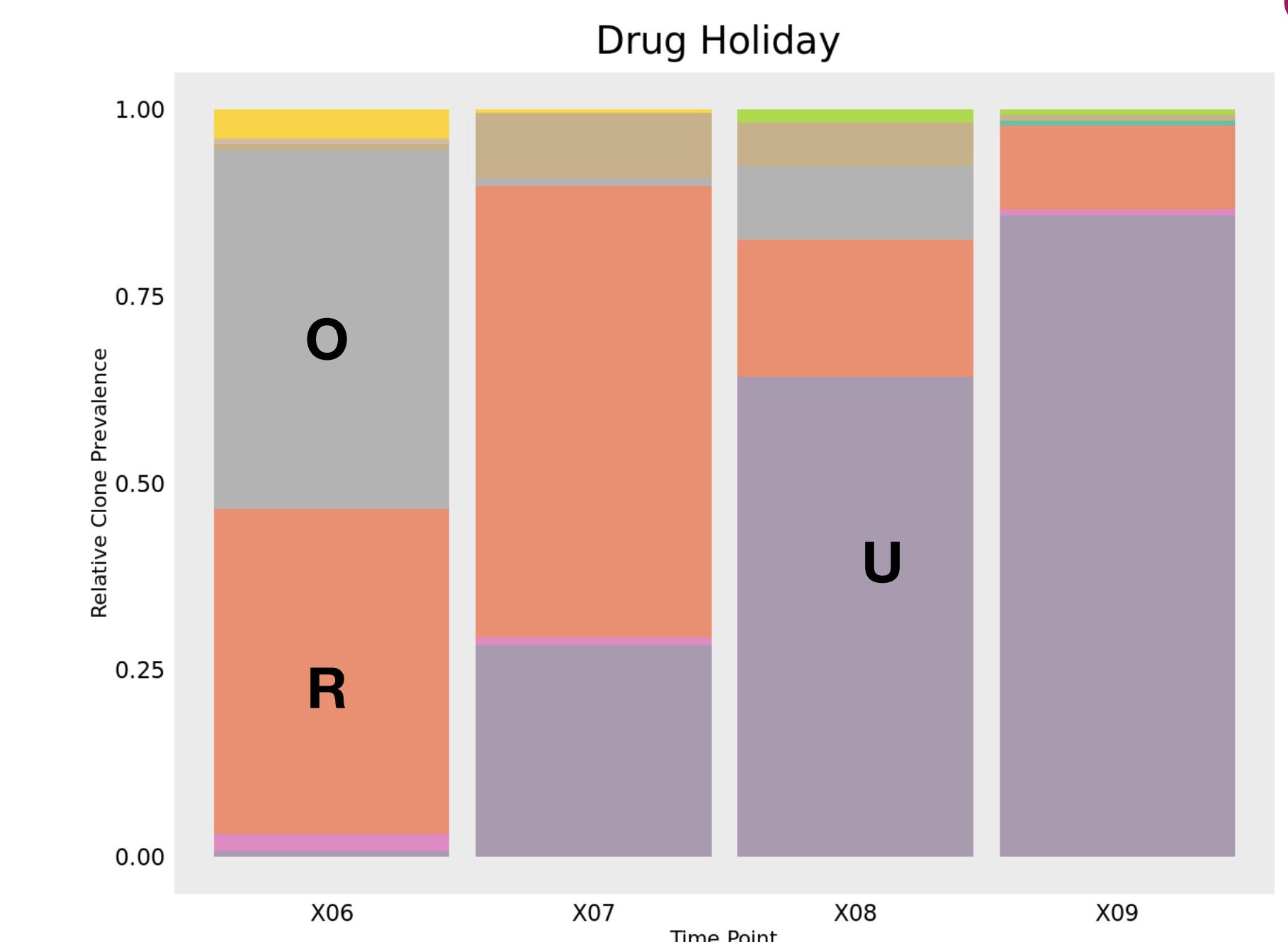




CX5461 drug treatment: clone O reversed back during drug holiday



CX5461



CX5461