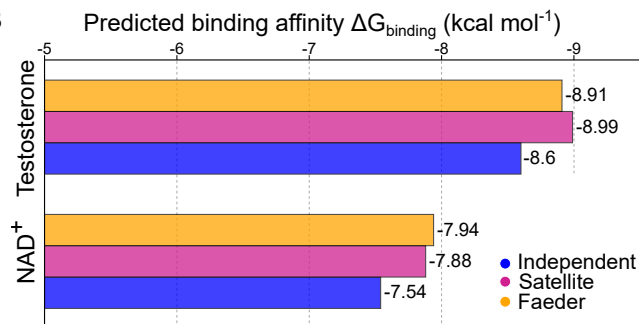
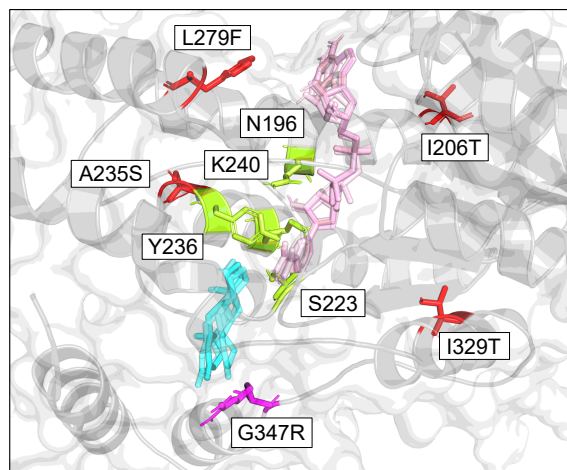
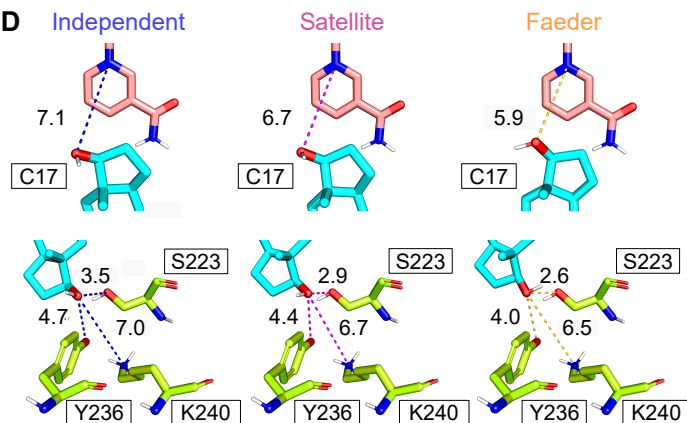
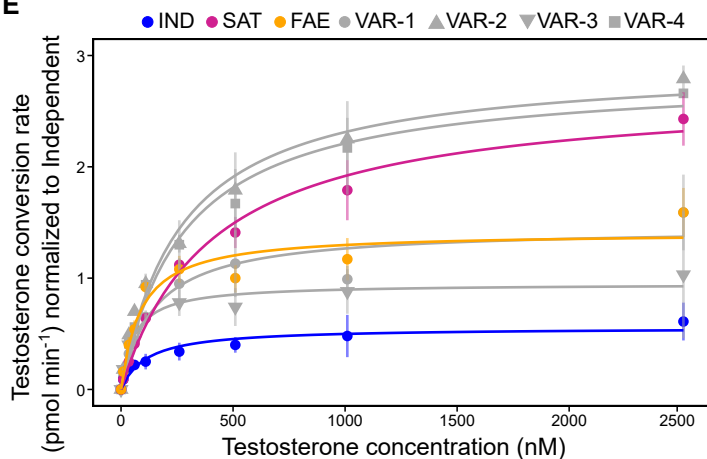


A

Variable residues in ruff HSD17B2												
	18	27	36	43	46	74	206	235	279	329	347	
Ancestral allele	A	T	R	L	T	T	I	A	L	I	G	
Satellite allele	V	T	R	L	T	T	T	S	F	T	R	
Faeder allele	A	M	G	F	A	A	T	S	F	T	G	
Var-1	A	T	R	L	T	T	I	A	F	I	G	
Var-2	A	T	R	L	T	T	I	S	F	T	G	
Var-3	A	T	R	L	T	T	T	S	L	T	G	
Var-4	A	T	R	L	T	T	T	S	F	T	G	

B**C****D****E****F**

Michaelis-Menten Kinetics*			
	V_{max} (pmol min ⁻¹)	K_M (nM)	$V_{\text{max}} K_M^{-1}$
Independent	0.56	113.50	4.89
Satellite	2.69	404.20	6.66
Faeder	1.41	86.54	16.29
Var-1	1.45	146.80	9.89
Var-2	2.93	267.40	10.96
Var-3	0.95	56.95	16.65
Var-4	2.83	280.20	10.10

*Normalized to Independent; $V_{\text{max}} K_M^{-1}$ = utilization ratio (μL min⁻¹)