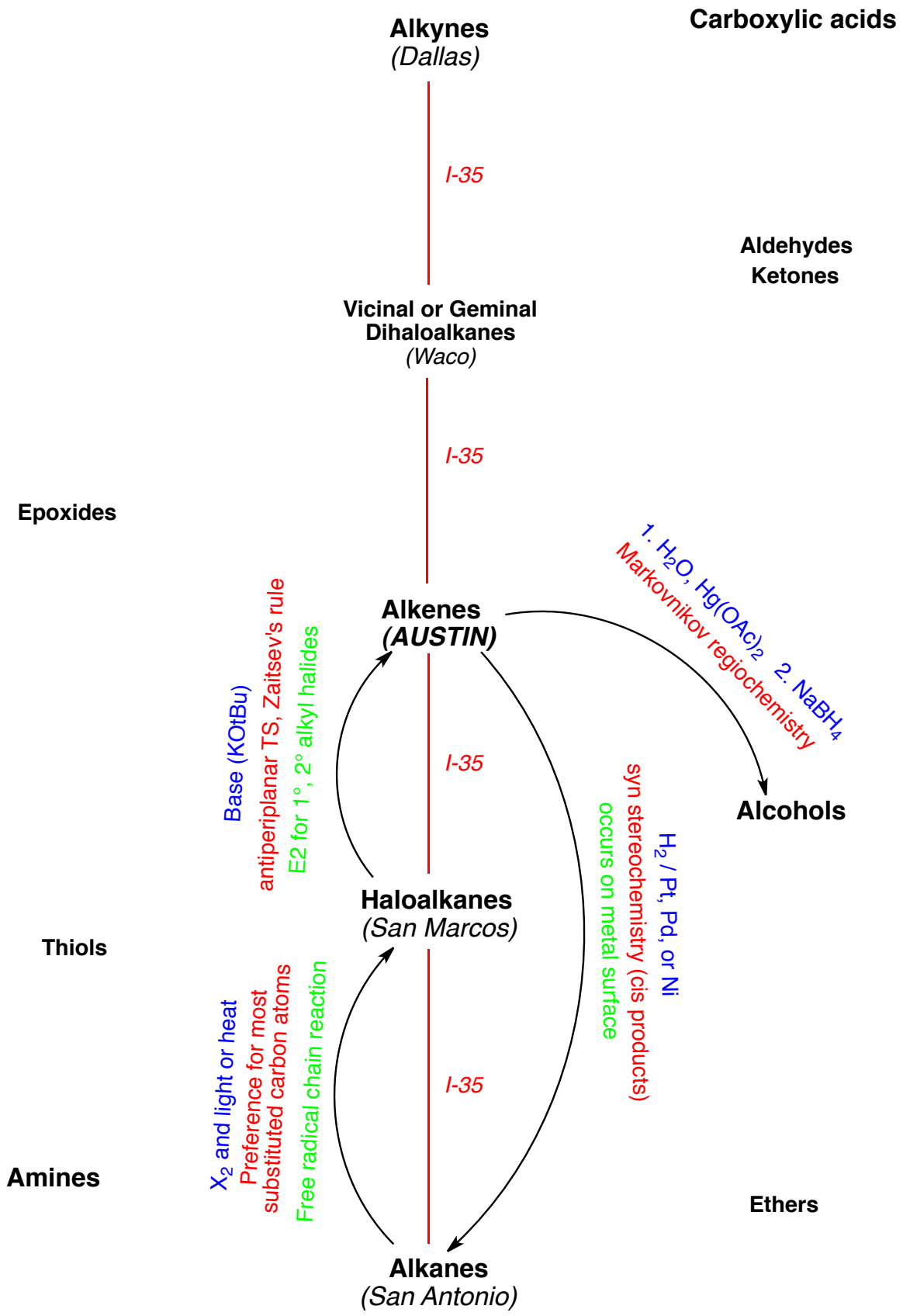
Alkynes
(Dallas)
Carboxylic acids
I-35
Aldehydes
Ketones
Vicinal or Geminal
Dihaloalkanes
(Waco)
I-35
Epoxides
1. H2O, Hg(OAc)2 2. NaBH4
Markovnikov regiochemistry
Alkenes
(AUSTIN)
Base (KOtBu)
antiperiplanar TS, Zaitsev's rule
E2 for 1°, 2° alkyl halides
I-35
Alcohols
H2 / Pt, Pd, or Ni
syn stereochemistry (cis products)
occurs on metal surface
Haloalkanes
(San Marcos)
Thiols
X2 and light or heat
Preference for most
substituted carbon atoms
Free radical chain reaction
I-35
Amines
Ethers
Alkanes
(San Antonio)