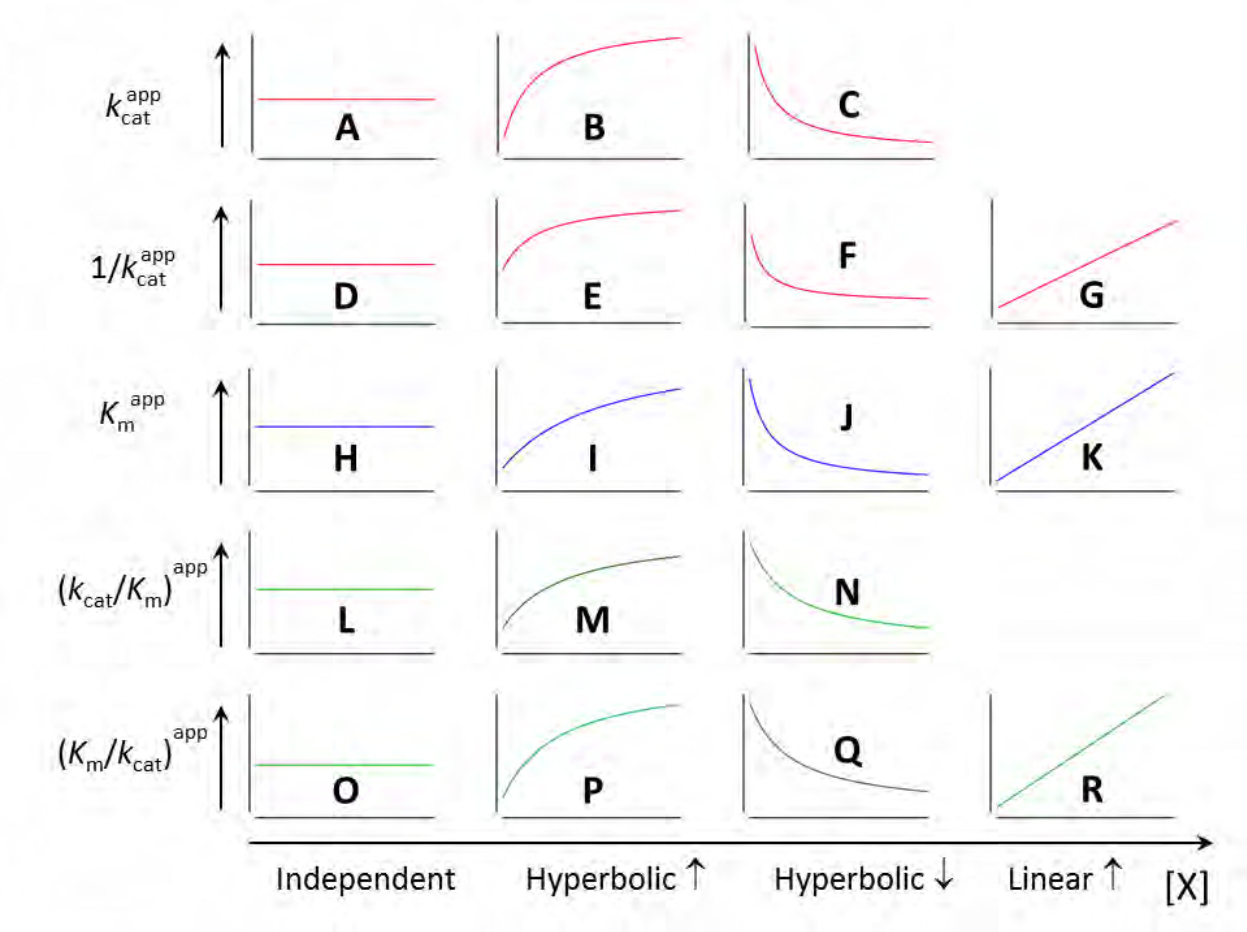
Identification of inhibition and nonessential activation mechanisms from the dependence of kinetic parameters on modifier concentration

In each row, in sequence top-down, select one letter for the respective parameter. The resulting code is composed of five letters in alphabetical order



18 modes for the dependence of parameters on modifier concentration

Table of 17 valid codes on the next page

Valid codes for combinations of the dependencies of the kinetic parameters on modifier concentration

Each of the 17 codes is unique and belongs to a definite inhibition or nonessential activation mechanism

Acronym	Full Name	Valid codes from the preceding page
LSpI	Linear specific inhibition	**A D K N R**
LCaI	Linear catalytic inhibition	**C G J L O**
LMx(Sp>Ca)I	Linear mixed, predominantly specific inhibition	**C G I N R**
LMx(Sp<Ca)I	Linear mixed, predominantly catalytic inhibition	**C G J N R**
LMx(Sp=Ca)I	Linear mixed, balanced inhibition	**C G H N R**
HSpI	Hyperbolic specific inhibition	**A D I N P**
HCaI	Hyperbolic catalytic inhibition	**C E J L O**
HMx(Sp>Ca)I	Hyperbolic mixed, predominantly specific inhibition	**C E I N P**
HMx(Sp<Ca)I	Hyperbolic mixed, predominantly catalytic inhibition	**C E J N P**
HMx(Sp=Ca)I	Hyperbolic mixed, balanced inhibition	**C E H N P**
HMxD(I/A)	Hyperbolic mixed, dual modification (inhibition → activation)	**B F I N P**
HCaA	Hyperbolic catalytic activation	**B F I L O**
HMx(Sp>Ca)A	Hyperbolic mixed, predominantly specific activation	**B F I M Q**
HMxD(A/I)	Hyperbolic mixed, dual modification (activation → inhibition)	**C E J M Q**
HSpA	Hyperbolic specific activation	**A D J M Q**
HMx(Sp<Ca)A	Hyperbolic mixed, predominantly catalytic activation	**B F J M Q**
HMx(Sp=Ca)A	Hyperbolic mixed, balanced activation	**B F H M Q**