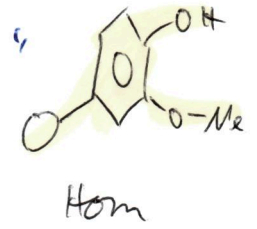
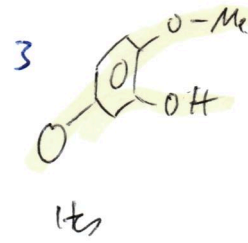
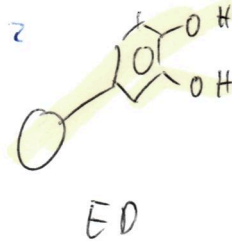
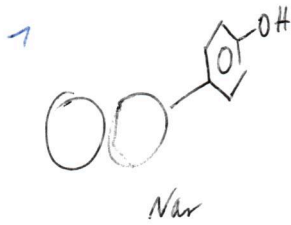


75  
Kampfer

76  
Quercetin

77  
Myricetin

78  
Quercetin

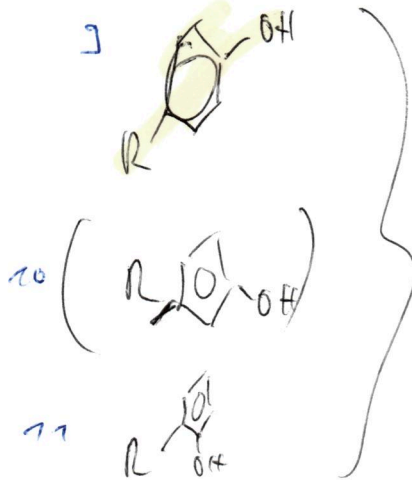


5  
Apigenin

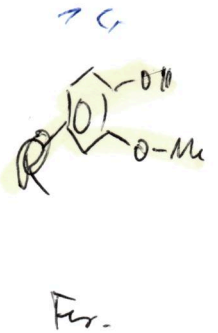
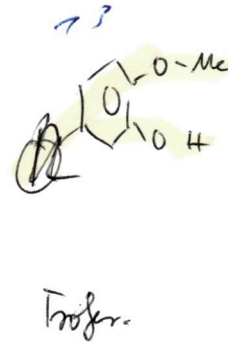
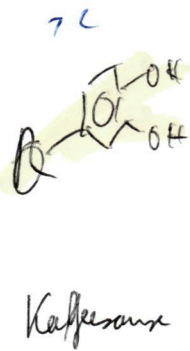
6  
Luteolin

7  
Diomedol

8  
Chrysoeriol



O, p, m - Quercetin



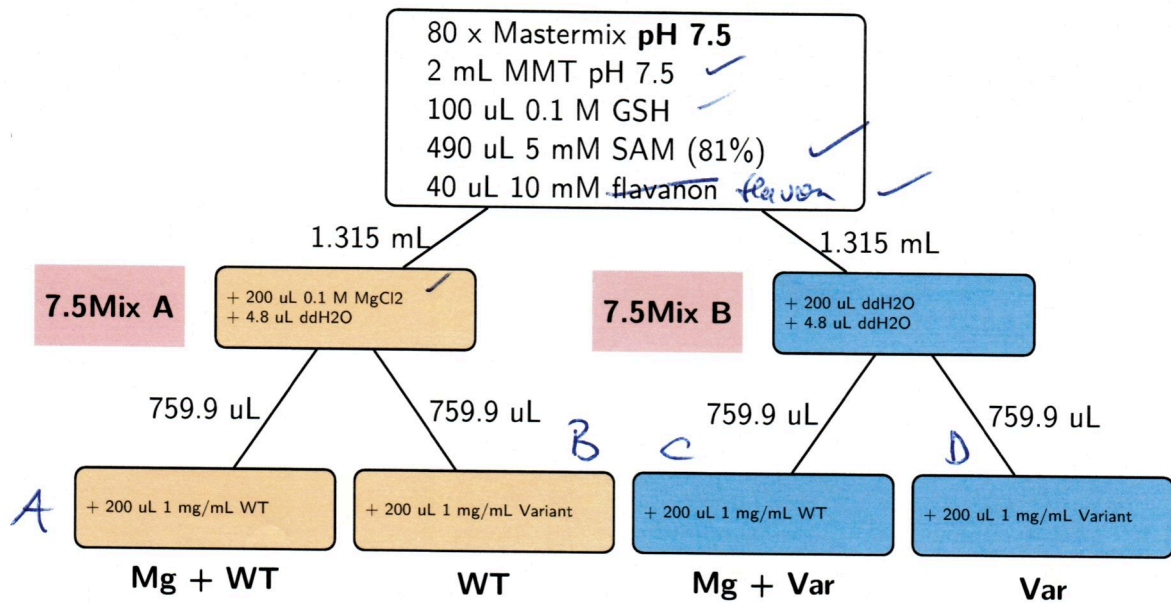
• 18 Substrate

2 Enzyme (Wt vs 3'-Variante)

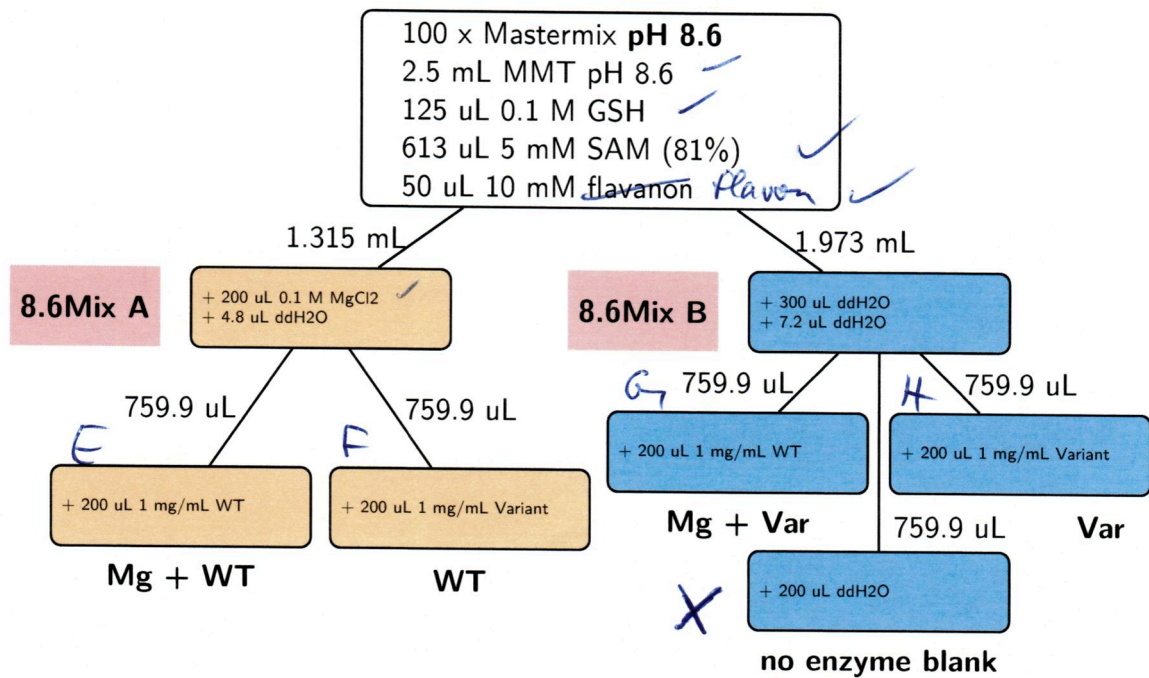
4 Bedingungen (pH 7,6 vs. 8,8  
+ (-Mg))

• Kontrolle v.a. bei hohem pH: ohne Enzym ohne Mg

G8 → Bidentat



(a) Pipetting scheme for pH 7.5



(b) Pipetting scheme for pH 8.6

**Figure 1:** Pipetting schemes for the enzymatic reactions. The reactions are started by pipetting 48  $\mu$ L of the corresponding mastermix to 2  $\mu$ L of substrate. Var - Y51R N202W

17<sup>30</sup> @ 30°C → 9<sup>15</sup>  
 + 15  $\mu$ L stopp. by