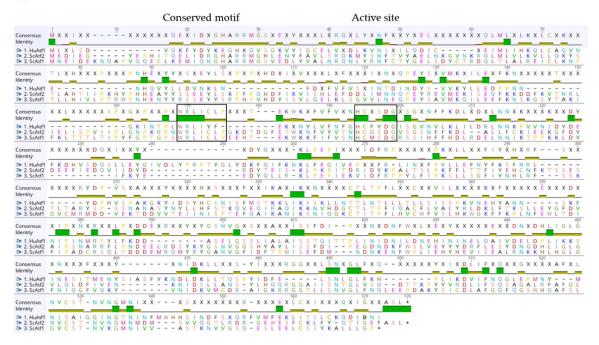
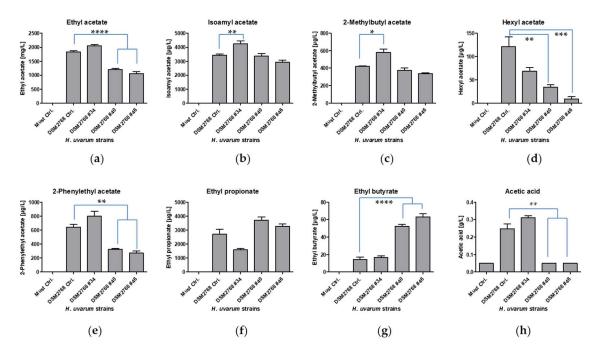
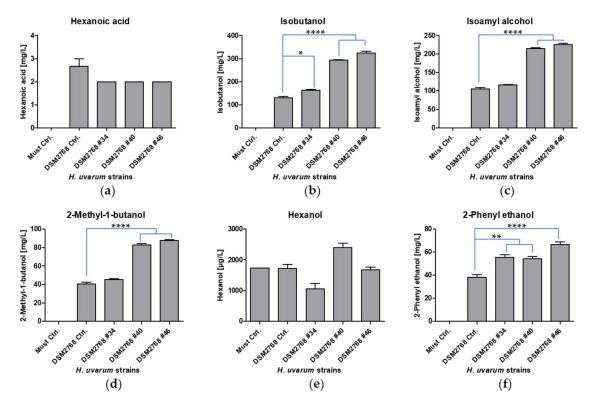
## Supplementary



**Figure S1.** Alignment of the amino acid sequence HuAtf1 with the two Atfs of *Saccharomyces cerevisiae*. The conserved WRLICLP motif as well as the HXXXDG active site are shown in boxes.



**Figure S2.** Acetate esters, ethyl esters and acetic acid produced after three days of fermentation of Müller-Thurgau must with *Hanseniaspora uvarum* DSM2768 for comparison (DSM2768 Ctrl.); DSM2768 #34 (WT/Δ); DSM2768 #40 ( $\Delta$ /Δ) and DSM2768 #46 ( $\Delta$ /Δ). Pure must without the addition of yeasts served as a negative control (Must Ctrl.). The measured acetate esters are: (a) ethyl acetate [mg/L]; (b) isoamyl acetate [μg/L]; (c) 2-methylbutyl acetate [μg/L]; (d) hexyl acetate [μg/L]; (e) 2-phenylethyl acetate [μg/L]; (f) ethyl propionate [μg/L], (g) ethyl butyrate [μg/L] and (h) acetic acid [g/L]. Acetate ester production was measured via HS-SPME-GC-MS analysis. Data are the mean of three independent experiments ± SEM, 1-way ANOVA, Bonferroni´s multiple comparison test, \*p <0.05, \*\*p <0.01, \*\*\*p <0.001, \*\*\*\*p <0.0001. Error bar indicate the standard deviation.



**Figure S3.** Amounts of fatty acid and alcohols detected after three days of fermentation of Müller-Thurgau must with *Hanseniaspora uvarum* DSM2768 for comparison (DSM2768 Ctrl.); DSM2768 #34 (WT/ $\Delta$ ); DSM2768 #40 ( $\Delta$ / $\Delta$ ) and DSM2768 #46 ( $\Delta$ / $\Delta$ ). Pure must without the addition of yeasts served as a negative control (Must Ctrl.). The measured fatty acid and alcohols are: (a) hexanoic acid [mg/L]; (b) isobutanol [mg/L]; (c) isoamyl alcohol [mg/L]; (d) 2-methyl-1-butanol [mg/L]; (e) hexanol [µg/L] and (f) 2-phenyl ethanol [mg/L]. The amounts of fatty acid and alcohols were measured via HS-SPME-GC-MS analysis. Data are the mean of three independent experiments ± SEM, 1-way ANOVA, Bonferroni´s multiple comparison test, \*p <0.05, \*\*p <0.01, \*\*\*\*\*p <0.0001. Error bar indicate the standard deviation.