Additional File 1

Supplementary Figures

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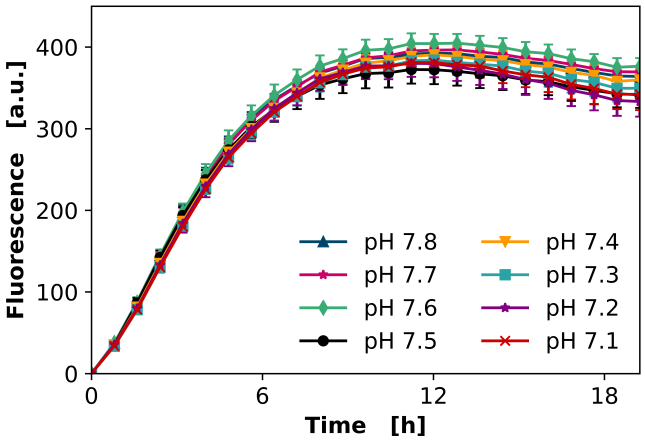

Figure S1: Impact of supernatant pH on split GFP assay. Original pH of *C. glutamicum* pPBEx2-NprE-Cutinase-GFP11 supernatant containing cutinase-GFP11 was 7.5. Acid (10 M HCl) or base (8 M NaOH) was added to change pH of supernatant to 7.1–7.8 before split GFP assay. Data is shown as mean of three technical replicates with standard deviation.

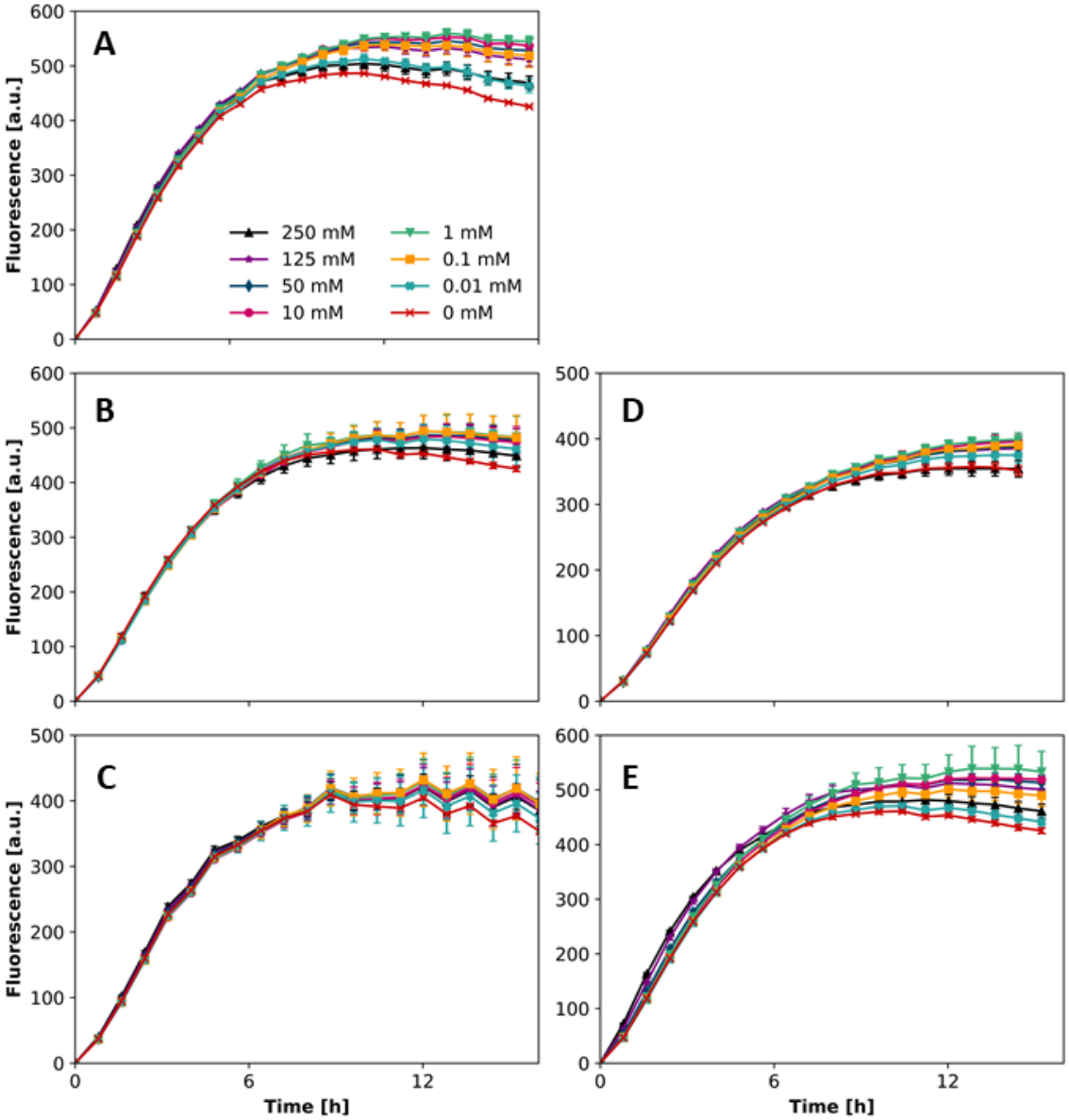

Figure S2: Impact of different metabolites in *C. glutamicum* supernatant on split GFP assay. Succinate (A), lactate (B), glutamate (C), ketoglutarate (D) and acetate (E) were added with final concentrations of 250–0.1 mM to *C. glutamicum* pPBEx2-NprE-Cutinase-GFP11 supernatant containing cutinase-GFP11. Data is shown as mean of three technical replicates with standard deviation.

Table S1: Gene sequences of cutinase-GFP11 with *B. subtilis* signal peptides NprE and Pel.

Gene	**DNA sequence (5' → 3')**
NprE-Cutinase-GFP11	ATGGGTTTAGGTAAGAAATTGTCTGTTGCTGTCGCTGCTTCGTT TATGAGTTTATCAATCAGCCTGCCAGGTGTTCAGGCTGCTGAAT TCGCGCCTACTAGTAACCCTGCTCAGGAGCTTGAGGCGCGCCA GCTTGGTAGAACAACTCGCGACGATCTGATCAACGGCAATAGC GCTTCCTGCGCCGATGTCATCTTCATTTATGCCCGGGGTTCAAC AGAGACGGGCAACTTGGGAACTCTCGGTCCTAGCATTGCCTCC AACCTTGAGTCCGCCTTCGGCAAGGACGGTGTCTGGATTCAGG GCGTTGGCGGTGCCTACCGAGCCACTCTTGGAGACAATGCTCT CCCTCGCGGTACCTCTAGCGCCGCAATCAGGGAGATGCTTGGT CTCTTCCAGCAGGCCAACACCAAGTGCCCCGACGCGACTTTGA TCGCCGGTGGCTACAGCCAGGGTGCTGCACTTGCGGCCGCCT CCATCGAGGACCTCGACTCGGCCATTCGTGACAAGATCGCCGG AACTGTTCTGTTCGGCTACACCAAGAACCTACAGAACCGTGGC CGAATCCCCAACTACCCTGCCGACAGGACCAAGGTCTTCTGCA ATACAGGAGATCTCGTTTGTACTGGTAGCTTGATCGTTGCTGCA CCTCACTTGGCTTATGGTCCTGATGCTCGGGGCCCTGCCCCTG AGTTCCTCATCGAGAAGGTTCGGGCTGTCCGTGGTTCTGCTCTT ATCGGCTCTGATGGCGGCTCTGGCGGCGGCTCTACATCTCGTG ATCACATGGTTCTTCATGAATACGTTAACGCTGCTGGCATCACA TAA
Pel-Cutinase-GFP11	ATGAAAAAAGTGATGTTAGCTACGGCTTTGTTTTTAGGATTGAC TCCAGCTGGCGCGAACGCAGCTGAATTCGCGCCTACTAGTAAC CCTGCTCAGGAGCTTGAGGCGCGCCAGCTTGGTAGAACAACTC GCGACGATCTGATCAACGGCAATAGCGCTTCCTGCGCCGATGT CATCTTCATTTATGCCCGGGGTTCAACAGAGACGGGCAACTTG GGAACTCTCGGTCCTAGCATTGCCTCCAACCTTGAGTCCGCCTT CGGCAAGGACGGTGTCTGGATTCAGGGCGTTGGCGGTGCCTA CCGAGCCACTCTTGGAGACAATGCTCTCCCTCGCGGTACCTCT AGCGCCGCAATCAGGGAGATGCTTGGTCTCTTCCAGCAGGCCA ACACCAAGTGCCCCGACGCGACTTTGATCGCCGGTGGCTACAG CCAGGGTGCTGCACTTGCGGCCGCCTCCATCGAGGACCTCGAC TCGGCCATTCGTGACAAGATCGCCGGAACTGTTCTGTTCGGCT ACACCAAGAACCTACAGAACCGTGGCCGAATCCCCAACTACCC TGCCGACAGGACCAAGGTCTTCTGCAATACAGGAGATCTCGTT TGTACTGGTAGCTTGATCGTTGCTGCACCTCACTTGGCTTATGG TCCTGATGCTCGGGGCCCTGCCCCTGAGTTCCTCATCGAGAAG GTTCGGGCTGTCCGTGGTTCTGCTCTTATCGGCTCTGATGGCG GCTCTGGCGGCGGCTCTACATCTCGTGATCACATGGTTCTTCAT GAATACGTTAACGCTGCTGGCATCACATAA