

Supporting Information

Enantiocomplementary *Yarrowia lipolytica* Oxidoreductases: Alcohol Dehydrogenase 2 and Short Chain Dehydrogenase/Reductase

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Figure S1. *Y. lipolytica* CLIB 122 on YPD medium.



Figure S2. NuPAGE gel of *Y*ADH2 and *Y*HisTevADH2 cell free extracts and purified *Y*HisTevADH2. Lane 1: PageRuler Prestained Protein Ladder (Fermentas); Lane 2: pMS470:d8 vector control with stuffer fragment; Lane 3: pMS470:*Y*ADH2; Lane 4: pMS470:*Y*HTADH2; Lane 5: pEHisTEV:*Y*ADH2; Lane 6: pEHisTEV vector control; Lane 7: purified *Y*ADH2; expected size of *Y*ADH2 is 37.3 kDa and tagged *Y*ADH2 40.8 kDa.

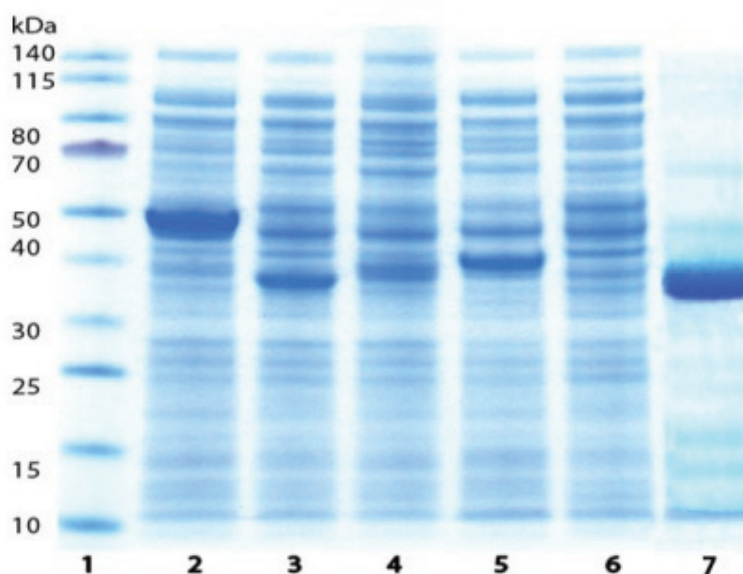


Figure S3. NuPAGE gel of *Y*/HisSDR. Lane 1: PageRuler Prestained Protein Ladder (Fermentas); Lane 2: pK470:*Y*/HisSDR cell free extract; Lane 3: pK470:*Y*/HisSDR cell debris; Lane 4: pK470:*Y*/HisSDR flow through from purification; Lane 4: purified *Y*/HisSDR; expected size of tagged *Y*/SDR is 31.9 kDa.

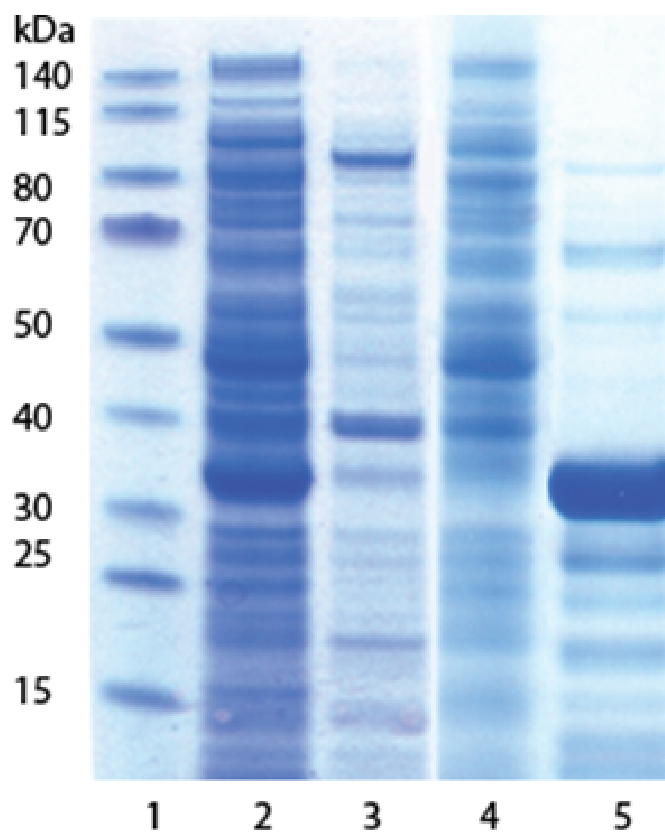


Figure S4. pMS470:*Y*/HisTevADH2 vector map.

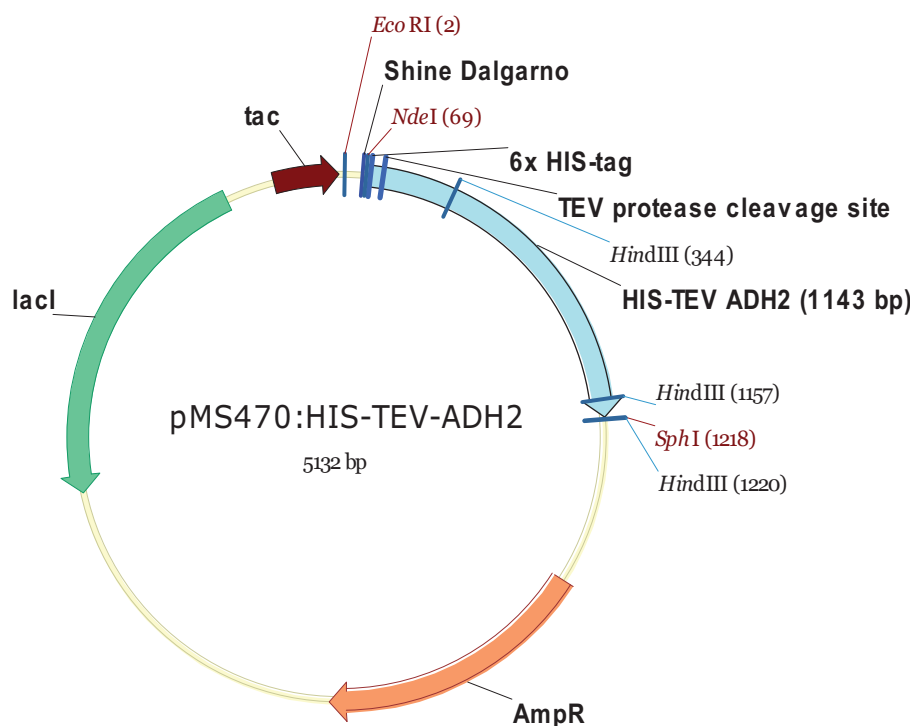
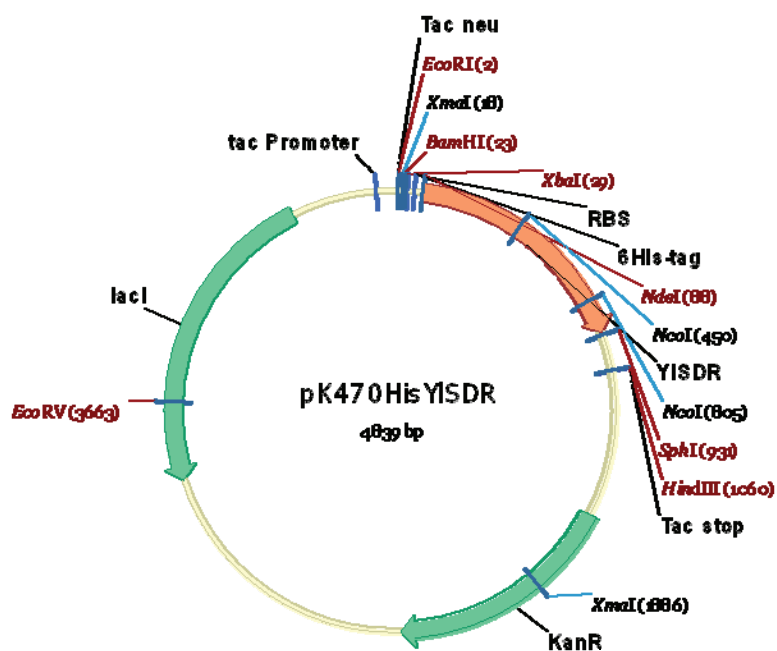


Figure S5. pK470:YHisSDR vector map.



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