Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry. This journal is © The Royal Society of Chemistry 2014

## Supplementary Information for Artificial metalloenzymes for the diastereoselective reduction of NAD<sup>+</sup> to NAD<sup>2</sup>H

Tommaso Quinto, Daniel Häussinger, Valentin Köhler and Thomas R. Ward\*

Department of Chemistry, University of Basel, Spitalstrasse 51, CH-4056 Basel, Switzerland

Email: thomas.ward@unibas.ch

Figure S1: <sup>1</sup>H with water suppression of NADH



Figure S2: <sup>1</sup>H with water suppression of NAD<sup>2</sup>H from the reaction involving Sav-S112A



Figure S3: <sup>1</sup>H with water suppression of NAD<sup>2</sup>H from the reaction involving Sav-S112K



Figure S4: <sup>1</sup>H with water suppression of NAD<sup>2</sup>H from the reaction without Sav



Figure S5: Selective tocsy of NADH



Figure S6: Selective tocsy of NAD<sup>2</sup>H from the reaction involving Sav-S112A



Figure S7: Selective tocsy of NAD<sup>2</sup>H from the reaction involving Sav-S112K



Figure S8: Selective tocsy of NAD<sup>2</sup>H from the reaction without Sav

