**TABLE 3.4.** Estimators of  $\beta_j$  in the case of orthonormal columns of **X**. M and  $\lambda$  are constants chosen by the corresponding techniques; sign denotes the sign of its argument ( $\pm 1$ ), and  $x_+$  denotes "positive part" of x. Below the table, estimators are shown by broken red lines. The  $45^{\circ}$  line in gray shows the unrestricted estimate for reference.

Estimator	Formula
Best subset (size $M$ )	$\hat{\beta}_j \cdot I( \hat{\beta}_j  \ge  \hat{\beta}_{(M)} )$
Ridge	$\hat{eta}_j/(1+\lambda)$
Lasso	$\operatorname{sign}(\hat{\beta}_j)( \hat{\beta}_j  - \lambda)_+$

