Conditional GWA and LD

Application to real data

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Define genome matrix

How well models predict true effects
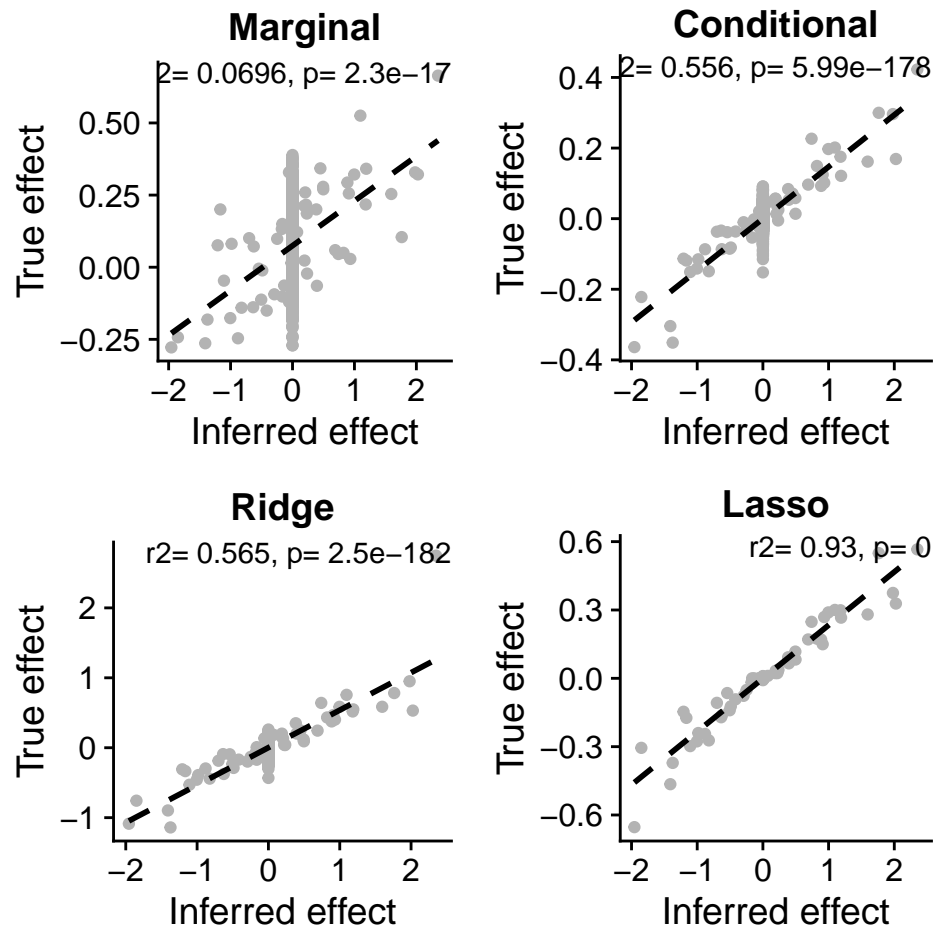
95% sparse effects additive

How good the selection estimates predict the individual fitness

```
## [1] "r2= 0.0696, p= 2.3e-17"
```

```
## [1] "r2= 0.556, p= 5.99e-178"
```

```
## [1] "r2= 0.565, p= 2.5e-182"
```

```
## [1] "r2= 0.93, p= 0"
```

Marginal
2= 0.0696, p= 2.3e−17

Conditional
2= 0.556, p= 5.99e−178

Ridge
r2= 0.565, p= 2.5e−182

Lasso
r2= 0.93, p= 0

How well the likelihood inference approach from LD matrix works