# DV vs. IPRED

## 1   Purpose of this plot

The DV vs. IPRED plot is intended to ensure a proper coorelation between the obervations (DV) and the individual model predictions (IPRED). This plot is commonly used to verify the absence of trend in the IPRED.

## 2   Interpetting this plot

- Points should align on the unity line.

- Points below the unity line indicate over prediction (DV < IPRED) of the model while points above the unity line indicate under prediction of the model (DV > IPRED).

- They should be no apparent trend in the data (ie. check the look of the smooth curve).

- Search for single outlier point (an observation distant from the unity line) or outlier individual (several observations distan from the unity line and connected together by a line).

## 3   Creating this plot

```
library(ggxpose)
xpose_data(dir = '../../inst/models/', runno = '037') %>%
  dv_vs_ipred()
```