

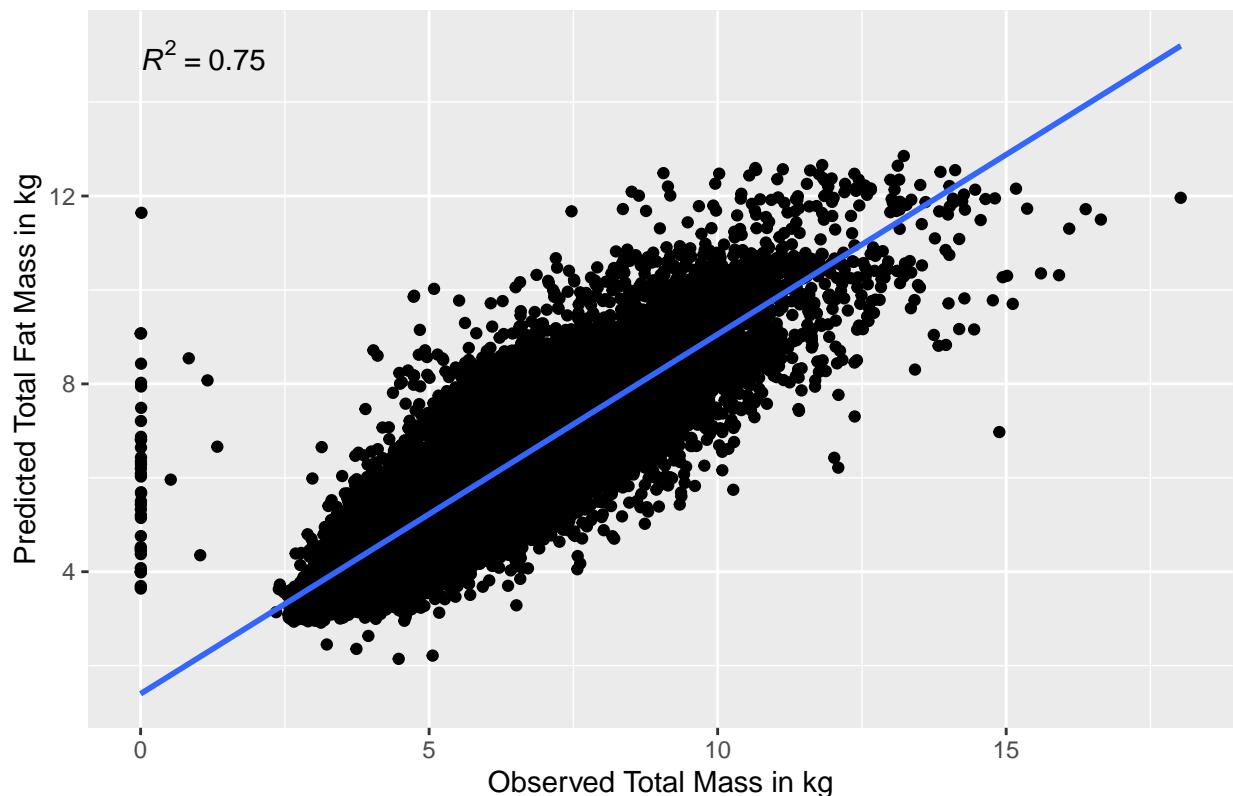
# MultipleTotalMassResult

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## Android total mass (23248)

### Random Forest Prediction



```
## Total Number of Discovery by marginal GWAS: 7
```

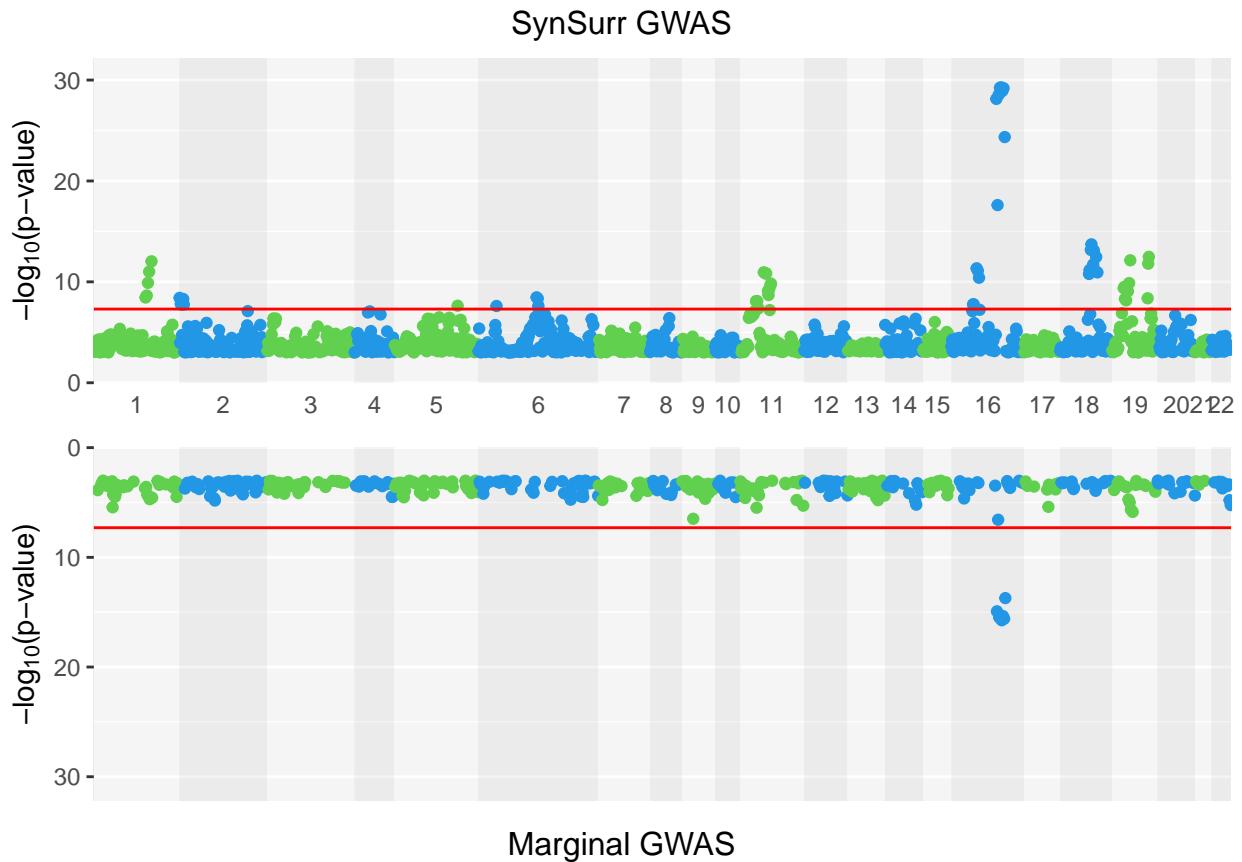
```
## Total Number of Discovery by SynSurr: 59
```

```
## Number of marginal SNPs recovered: 7
```

```
## Number of New Discovery: 52
```

```
## Average Chisq of marginal GWAS: 22.82691
```

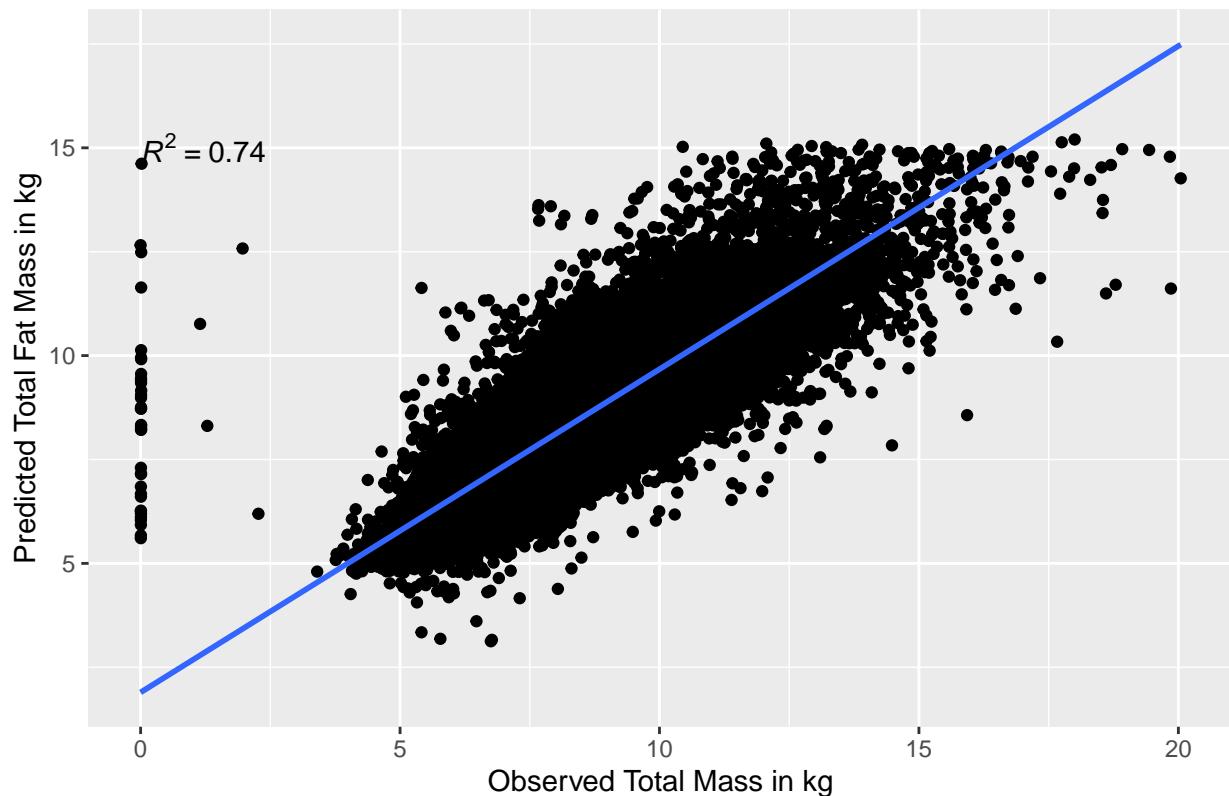
```
## Average Chisq of SynSurr: 59.00815  
## RE (Mean Square Standard Error) 2.550667
```



```
## TableGrob (2 x 1) "arrange": 2 grobs  
##   z   cells    name      grob  
## 1 1 (1-1,1-1) arrange gtable[arrange]  
## 2 2 (2-2,1-1) arrange gtable[arrange]
```

## Arms total mass (23260)

### Random Forest Prediction



```
## Total Number of Discovery by marginal GWAS: 7
```

```
## Total Number of Discovery by SynSurr: 76
```

```
## Number of marginal SNPs recovered: 7
```

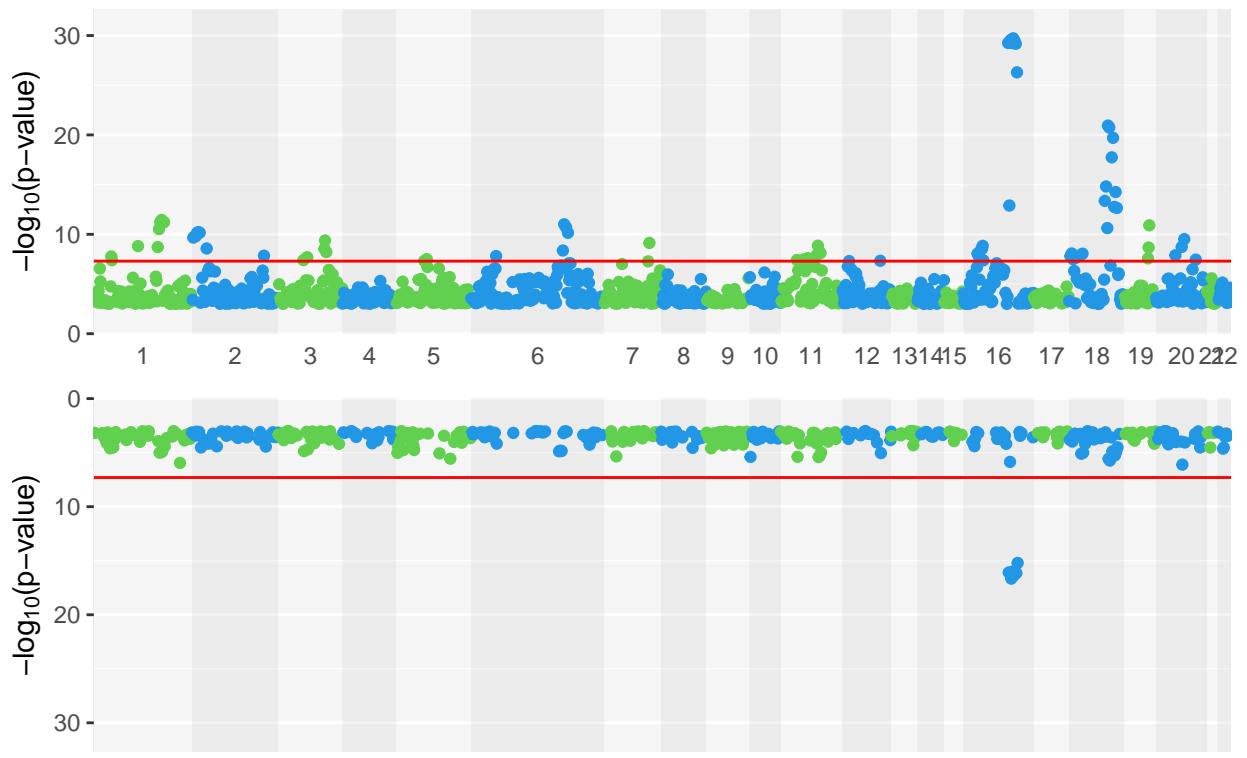
```
## Number of New Discovery: 69
```

```
## Average Chisq of marginal GWAS: 23.07478
```

```
## Average Chisq of SynSurr: 55.40353
```

```
## RE (Mean Square Standard Error) 2.275361
```

### SynSurr GWAS

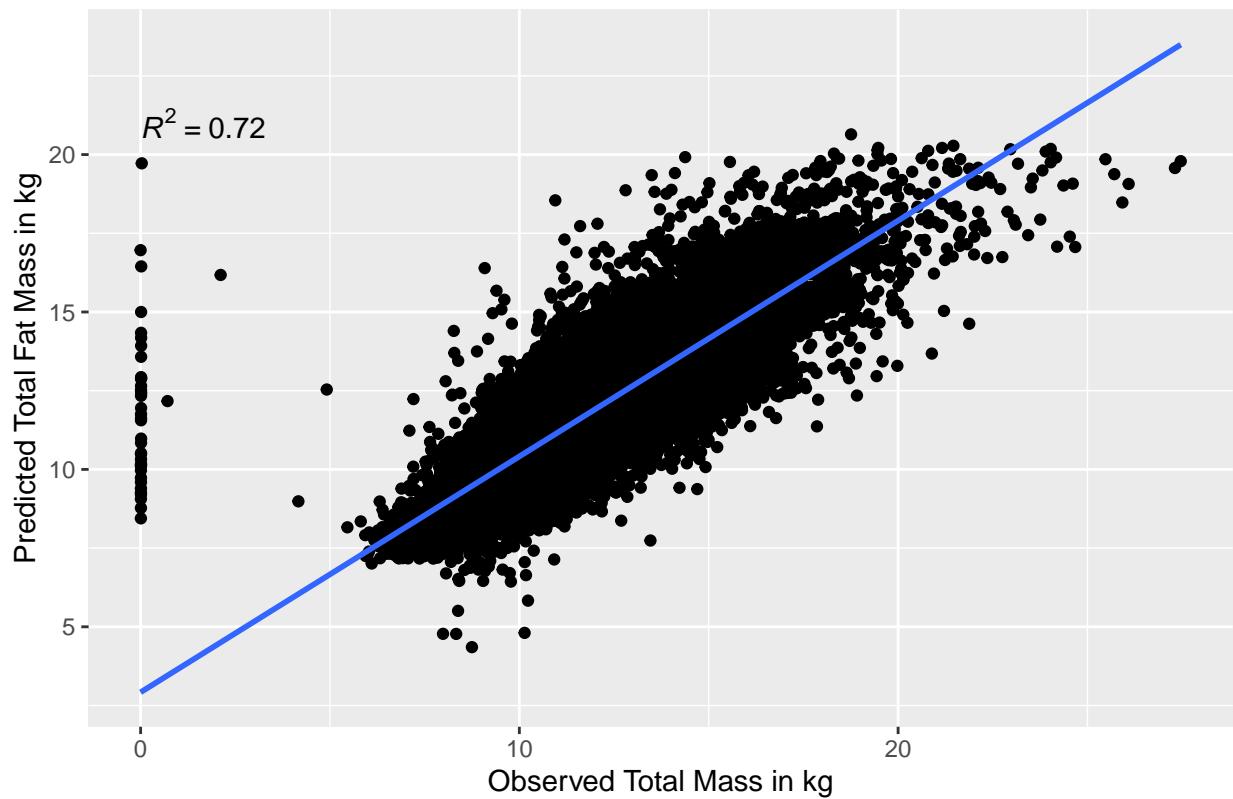


### Marginal GWAS

```
## TableGrob (2 x 1) "arrange": 2 grobs
##   z      cells    name        grob
## 1 1 (1-1,1-1) arrange gtable[arrange]
## 2 2 (2-2,1-1) arrange gtable[arrange]
```

## Gynoid total mass (23265)

### Random Forest Prediction



```
## Total Number of Discovery by marginal GWAS: 8
```

```
## Total Number of Discovery by SynSurr: 146
```

```
## Number of marginal SNPs recovered: 8
```

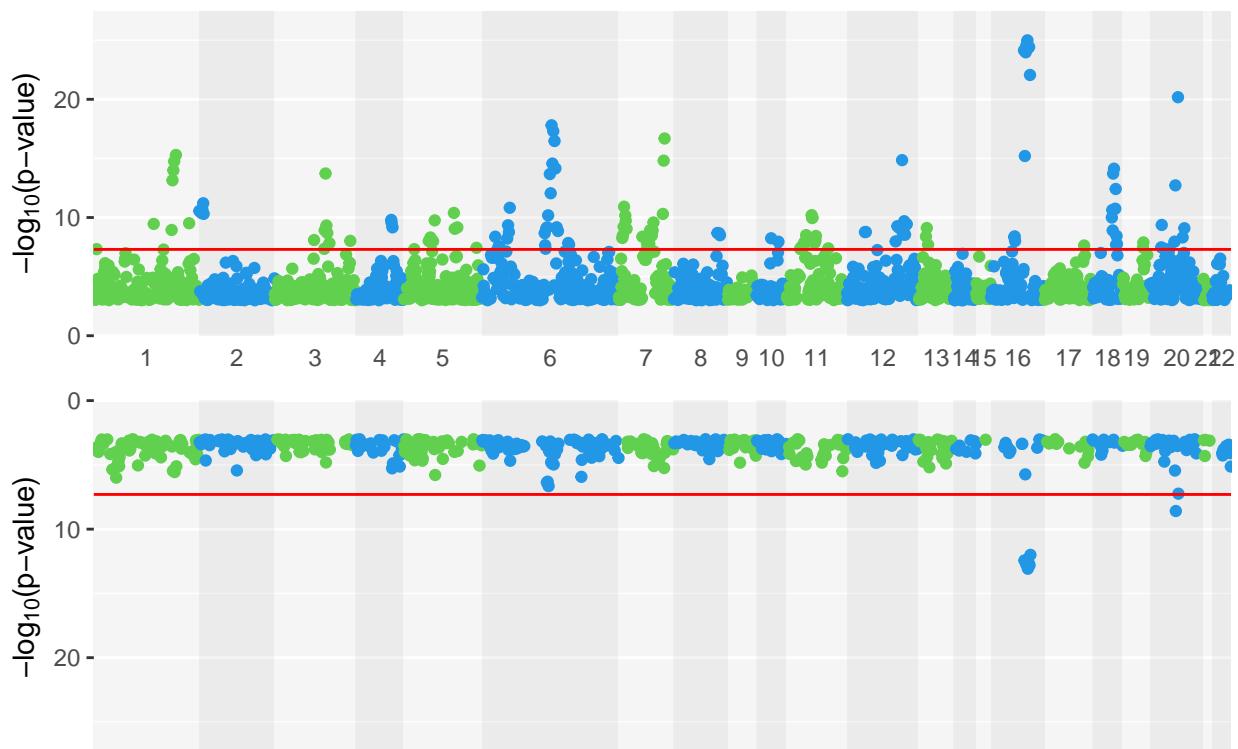
```
## Number of New Discovery: 138
```

```
## Average Chisq of marginal GWAS: 16.23356
```

```
## Average Chisq of SynSurr: 46.27687
```

```
## RE (Mean Square Standard Error) 2.632932
```

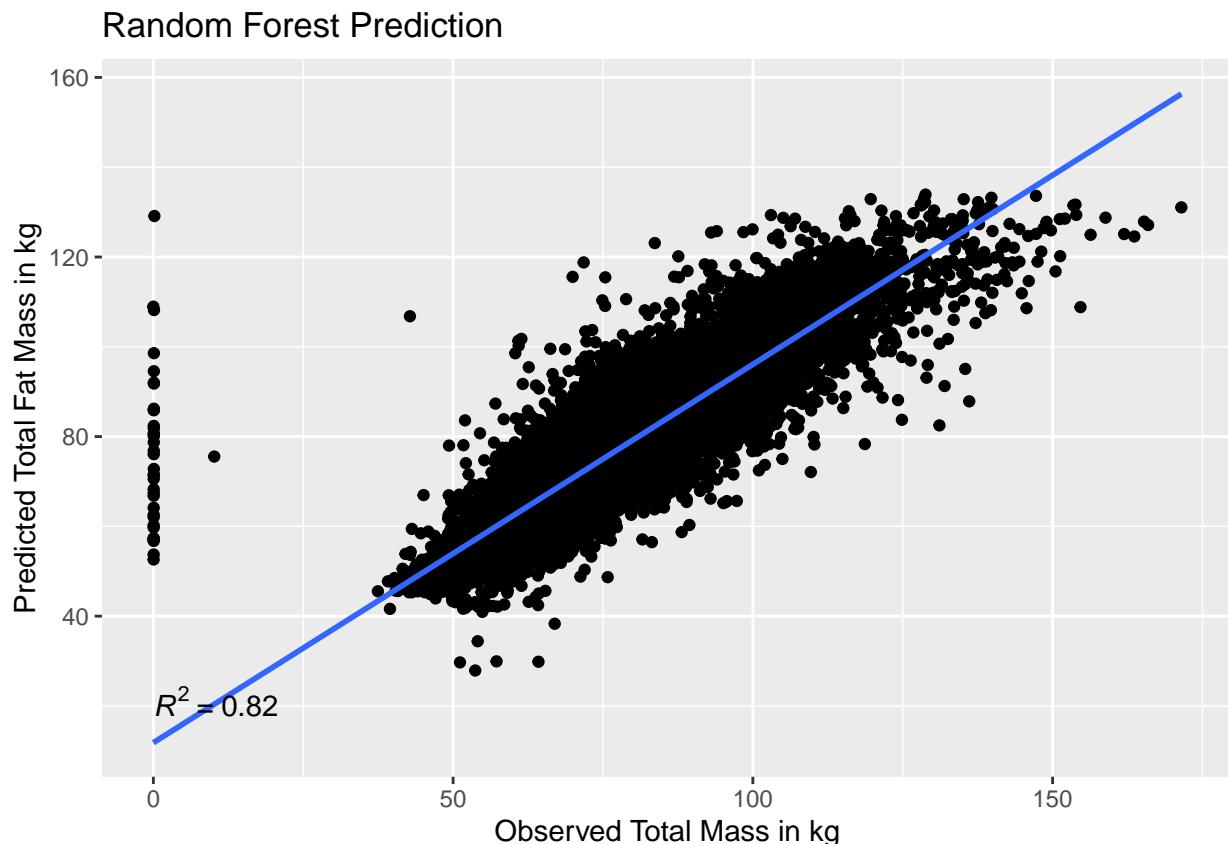
## SynSurr GWAS



## Marginal GWAS

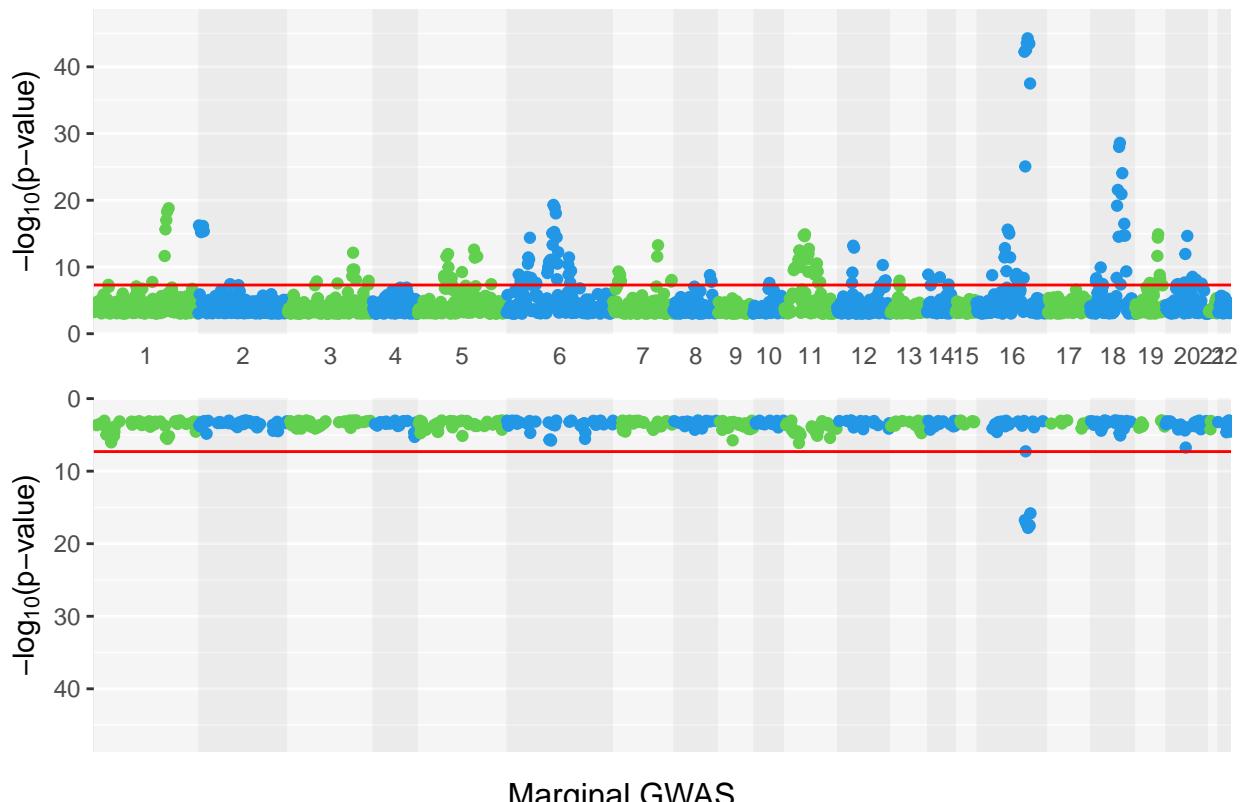
```
## TableGrob (2 x 1) "arrange": 2 grobs
##   z      cells    name      grob
## 1 1 (1-1,1-1) arrange gtable[arrange]
## 2 2 (2-2,1-1) arrange gtable[arrange]
```

## Total mass (23283)



```
## Total Number of Discovery by marginal GWAS: 7  
## Total Number of Discovery by SynSurr: 191  
## Number of marginal SNPs recovered: 7  
## Number of New Discovery: 184  
## Average Chisq of marginal GWAS: 15.25603  
## Average Chisq of SynSurr: 55.78925  
## RE (Mean Square Standard Error) 3.423859
```

## SynSurr GWAS

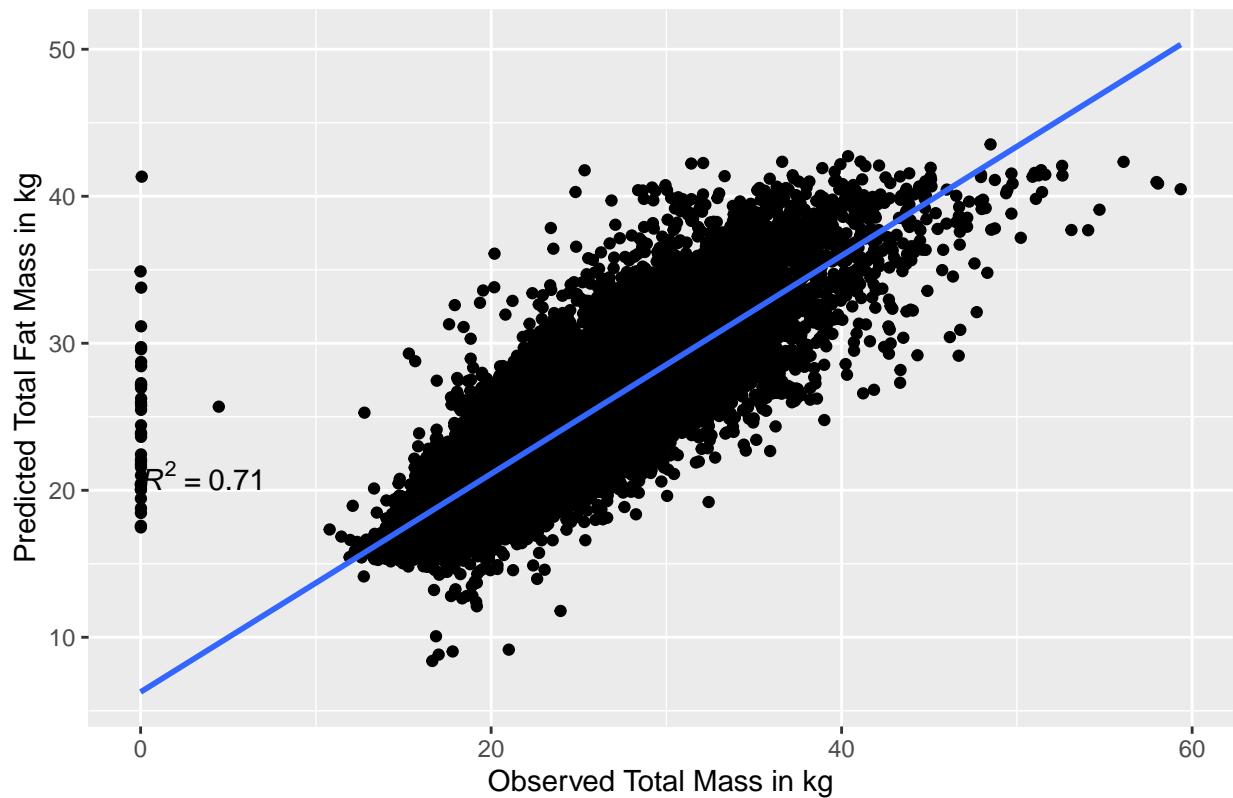


## Marginal GWAS

```
## TableGrob (2 x 1) "arrange": 2 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[arrange]
## 2 2 (2-2,1-1) arrange gtable[arrange]
```

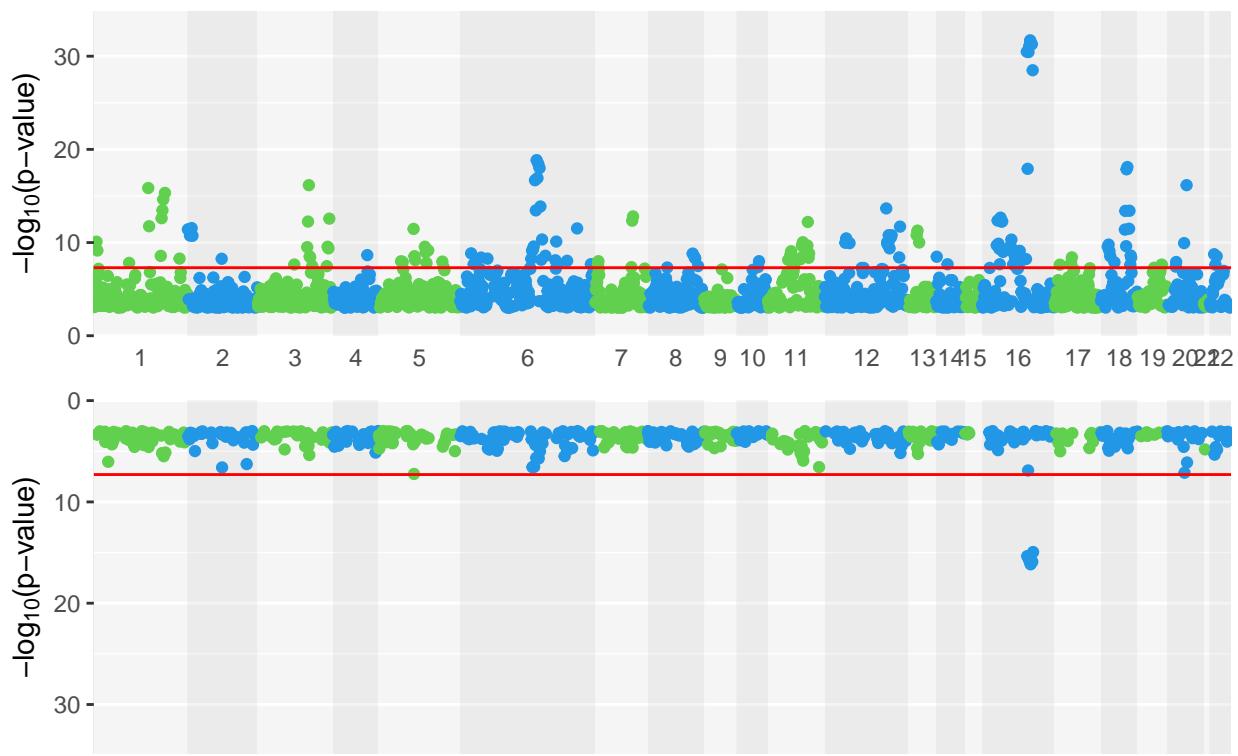
## Legs total mass

Random Forest Prediction



```
## Total Number of Discovery by marginal GWAS: 7  
## Total Number of Discovery by SynSurr: 166  
## Number of marginal SNPs recovered: 7  
## Number of New Discovery: 159  
## Average Chisq of marginal GWAS: 18.34156  
## Average Chisq of SynSurr: 49.48108  
## RE (Mean Square Standard Error) 2.564383
```

### SynSurr GWAS

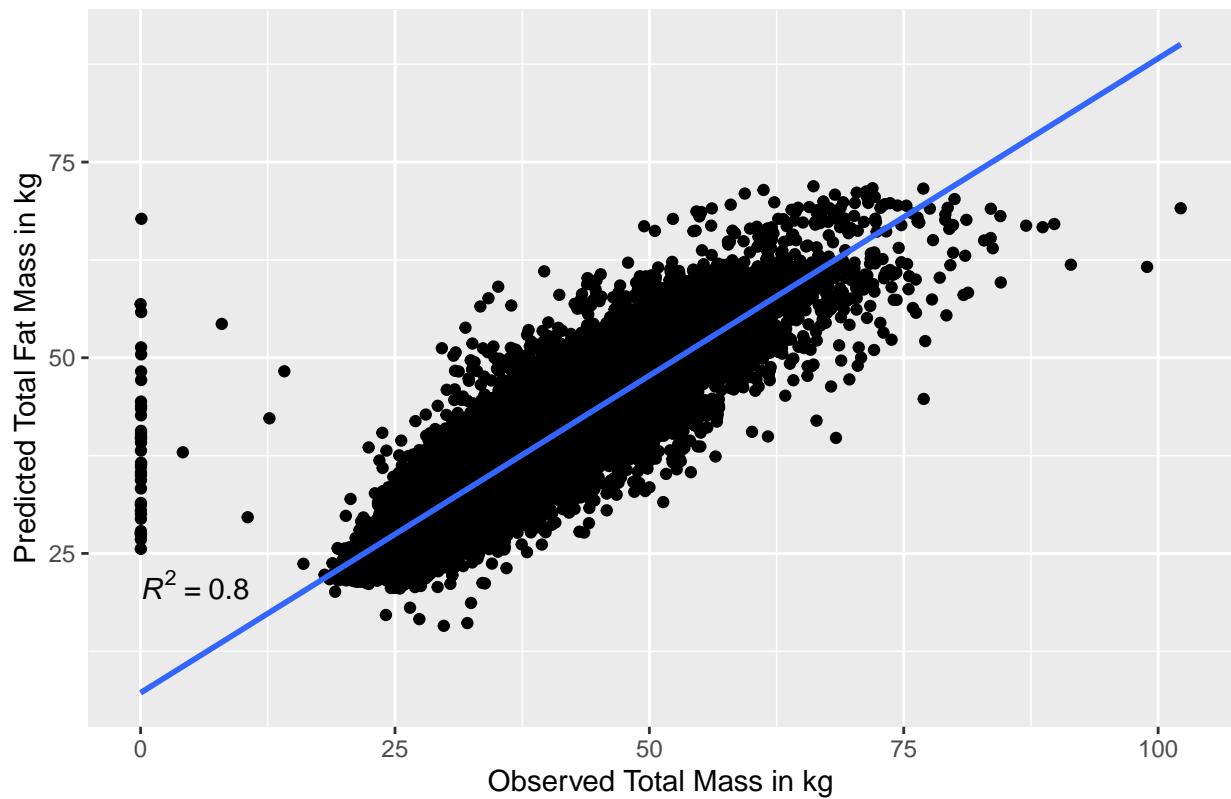


### Marginal GWAS

```
## TableGrob (2 x 1) "arrange": 2 grobs
##   z      cells    name      grob
## 1 1 (1-1,1-1) arrange gtable[arrange]
## 2 2 (2-2,1-1) arrange gtable[arrange]
```

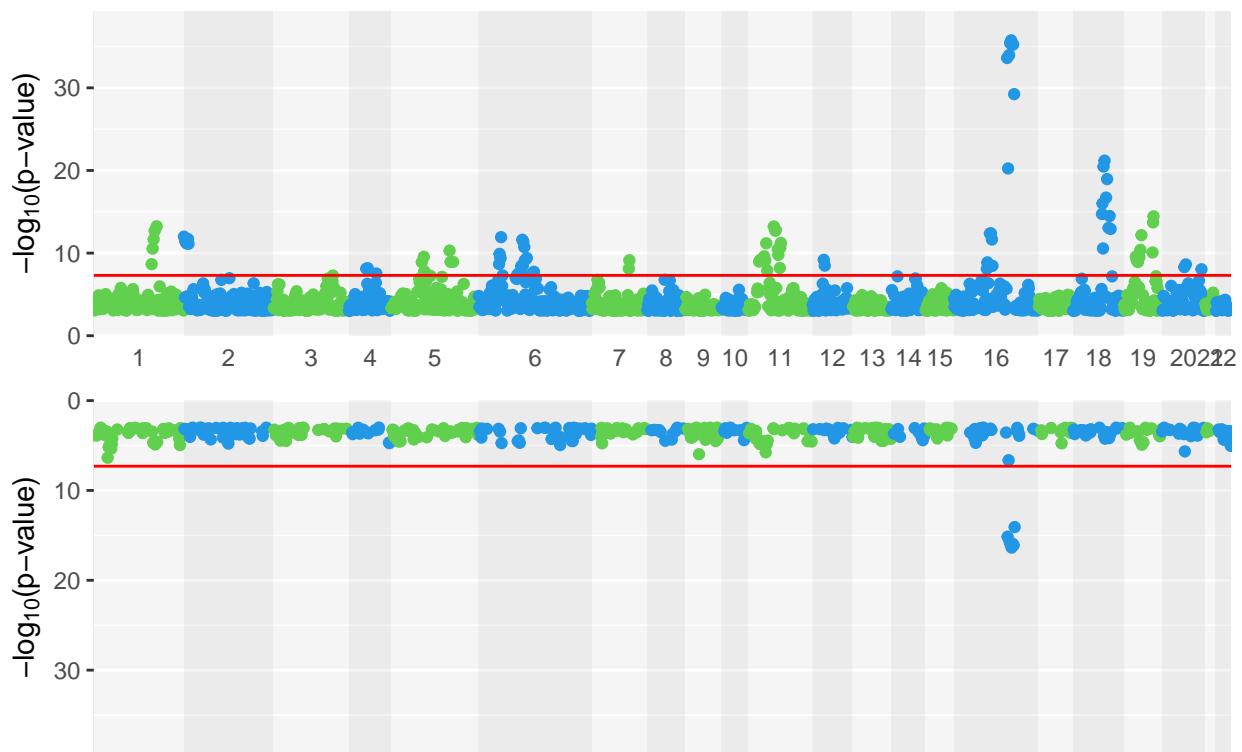
## Trunk total mass (23287)

### Random Forest Prediction



```
## Total Number of Discovery by marginal GWAS: 7  
## Total Number of Discovery by SynSurr: 97  
## Number of marginal SNPs recovered: 7  
## Number of New Discovery: 90  
## Average Chisq of marginal GWAS: 19.09165  
## Average Chisq of SynSurr: 59.13467  
## RE (Mean Square Standard Error) 2.979569
```

### SynSurr GWAS



### Marginal GWAS

```
## TableGrob (2 x 1) "arrange": 2 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[arrange]
## 2 2 (2-2,1-1) arrange gtable[arrange]
```