Predictive Modeling of Treatment Resistant Depression using data from STAR\*D and an Independent Clinical Study

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**Supporting Information:**

**S4**  **Table** Confusion matrix for GBDT model in STAR\*D test dataset (outcome defined by QIDS-C16) using (a) The 700+ variable setting (b) Top n variable setting (n = 30) (c) The overlapping variable setting and in RIS-INT-93 dataset using (d) The overlapping variable setting

(a)

|  |  |
| --- | --- |
|  | Ground Truth |
| Predicted | TRD | non-TRD |
| TRD | 97 | 102 |
| non-TRD | 44 | 247 |

(b)

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
|  |

 | Ground Truth |
| Predicted | TRD | non-TRD |
| TRD | 102 | 110 |
| non-TRD | 39 | 239 |

(c)

|  |  |
| --- | --- |
|  | Ground Truth |
| Predicted | TRD | non-TRD |
| TRD | 99 | 124 |
| non-TRD | 42 | 225 |

(d)

|  |  |
| --- | --- |
|  | Ground Truth |
| Predicted | TRD | non-TRD |
| TRD | 175 | 15 |
| non-TRD | 25 | 10 |