

Supplementary Table S1. Psychophysiological indices of mental stress associated with personality type D (binary logistic regression analysis, forward likelihood ratio):

Omnibus Tests of Model Coefficients

|        |       | Chi-square | df | Sig.  |
|--------|-------|------------|----|-------|
| Step 1 | Step  | 5.652      | 1  | 0.017 |
|        | Block | 5.652      | 1  | 0.017 |
|        | Model | 5.652      | 1  | 0.017 |
| Step 2 | Step  | 6.058      | 1  | 0.014 |
|        | Block | 11.710     | 2  | 0.003 |
|        | Model | 11.710     | 2  | 0.003 |
| Step 3 | Step  | 7.991      | 1  | 0.005 |
|        | Block | 19.702     | 3  | 0.000 |
|        | Model | 19.702     | 3  | 0.000 |
| Step 4 | Step  | 6.104      | 1  | 0.013 |
|        | Block | 25.806     | 4  | 0.000 |
|        | Model | 25.806     | 4  | 0.000 |

Supplementary Table S2. Psychophysiological indices of mental stress associated with personality type D (binary logistic regression analysis, forward likelihood ratio):

Model Summary

| Step | -2 Log likelihood | Cox & Snell R Square | Nagelkerke R Square |
|------|-------------------|----------------------|---------------------|
| 1    | 99.232            | 0.072                | 0.096               |
| 2    | 93.174            | 0.143                | 0.191               |
| 3    | 85.182            | 0.228                | 0.305               |
| 4    | 79.078            | 0.288                | 0.385               |

Supplementary Table S3. Psychophysiological indices of mental stress associated with personality type D (binary logistic regression analysis, forward likelihood ratio):

Classification Table

| Observed |        |                    | Predicted |    |                    |
|----------|--------|--------------------|-----------|----|--------------------|
|          |        |                    | Type_D    |    |                    |
|          |        |                    | 0         | 1  | Percentage Correct |
| Step 1   | Type D | 0                  | 19        | 16 | 54.3               |
|          |        | 1                  | 12        | 29 | 70.7               |
|          |        | Overall Percentage |           |    | 63.2               |
| Step 2   | Type D | 0                  | 24        | 11 | 68.6               |
|          |        | 1                  | 11        | 30 | 73.2               |
|          |        | Overall Percentage |           |    | 71.1               |
| Step 3   | Type D | 0                  | 28        | 7  | 80.0               |
|          |        | 1                  | 11        | 30 | 73.2               |
|          |        | Overall Percentage |           |    | 76.3               |
| Step 4   | Type D | 0                  | 27        | 8  | 77.1               |
|          |        | 1                  | 11        | 30 | 73.2               |
|          |        | Overall Percentage |           |    | 75.0               |