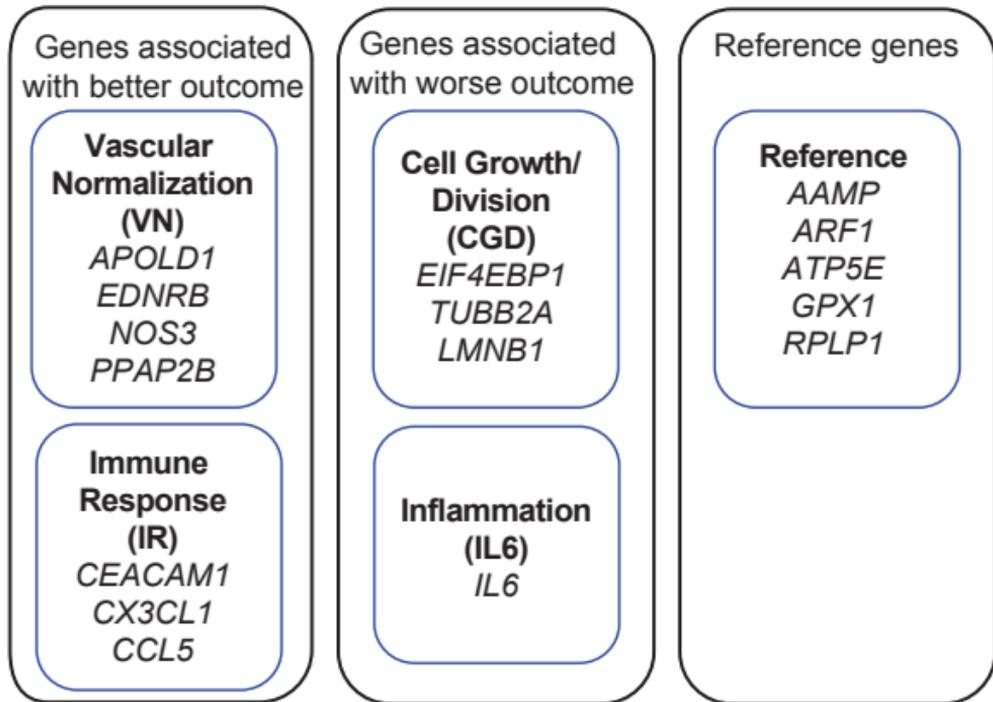


## Supplementary Fig. S1: The gene/gene groups and algorithm included in calculating the RS



The RS is derived from the reference-normalized expression measurements, scaled from 0 to 100:

Unscaled RS =  $-0.45 \times \text{VN group score} - 0.31 \times \text{IR group score} + 0.27 \times \text{CGD group score} + 0.04 \times \text{IL6}$ .

RS =  $26.4 \times (\text{unscaled RS} + 3.7)$ .

The score is scaled: if RS is  $<0$ , then RS=0; and if RS is  $>100$ , then RS=100.

Abbreviation: RS, recurrence score.