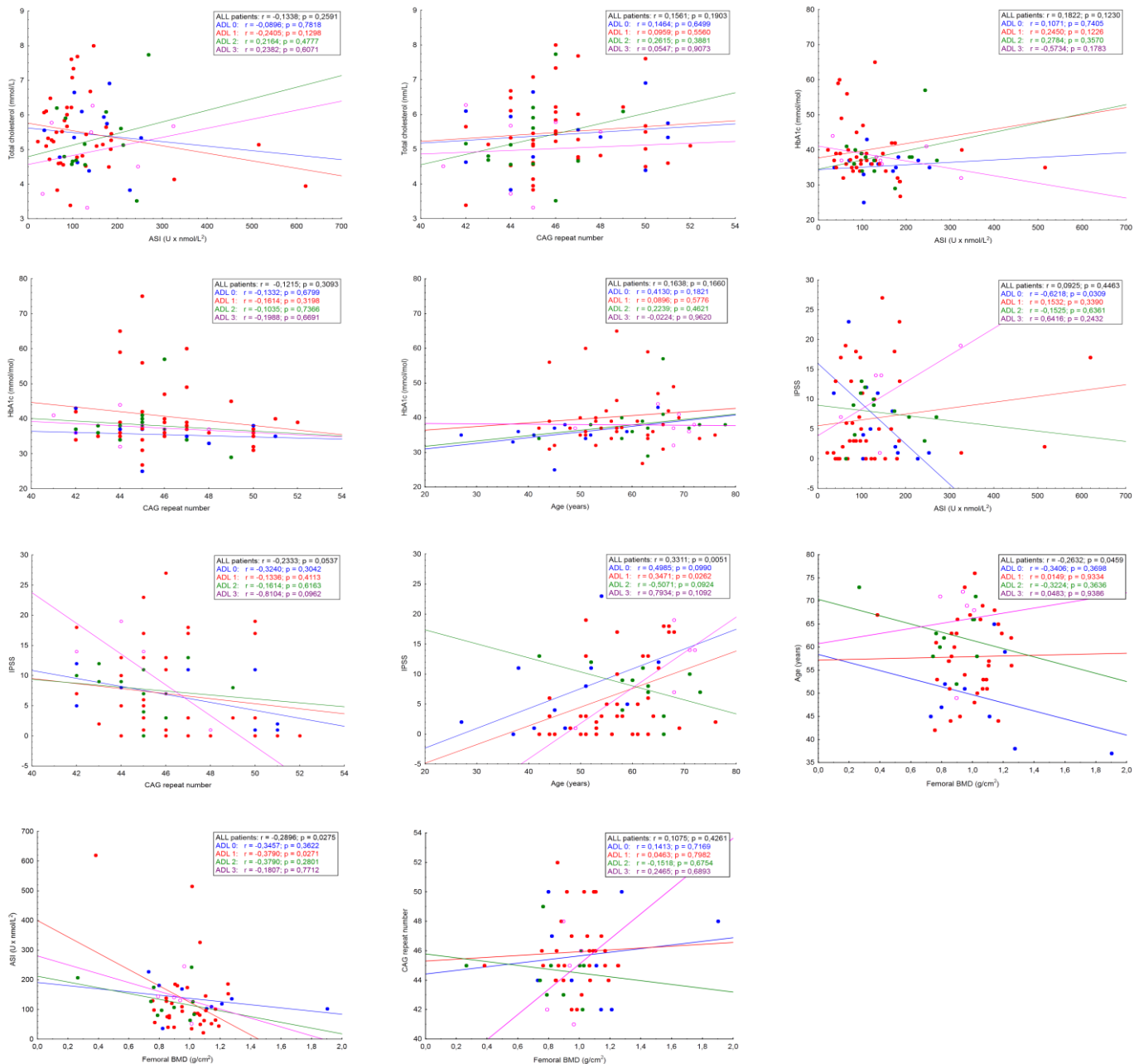
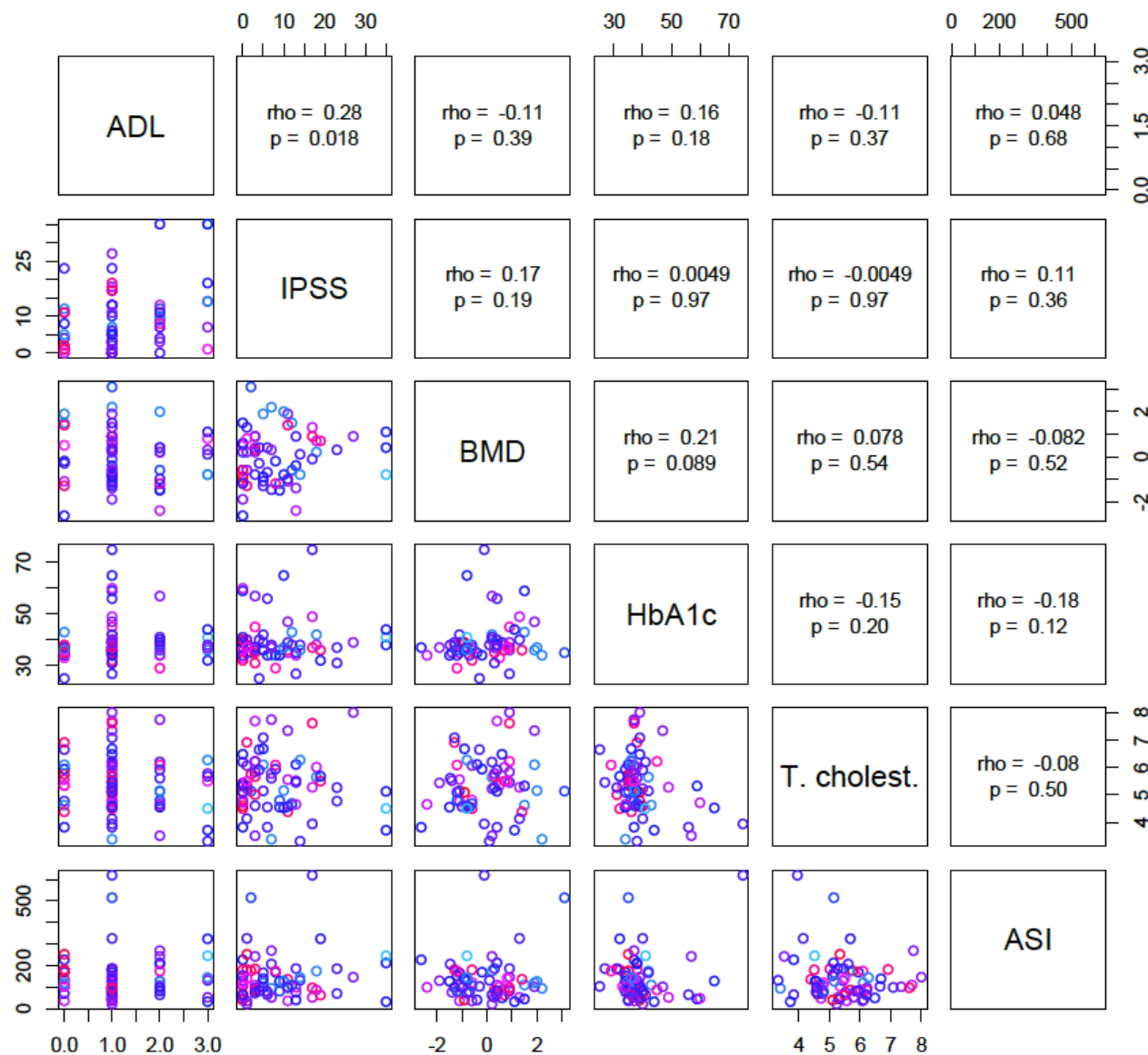


Supplementary Figure 1. Categorized scatter plots between pairs of variables.



In each plot, value of cumulative and for any ADL grade (grade 0 blue; grade 1 red; grade 2 green; grade 3 purple) r , together with related significance, is reported. *IPSS*: International Prostate Symptom Score (0-35, indwelling catheter made equal to maximum score for the purposes of correlation); *BMD*: Bone Mass Density of the femur (expressed as Z-score); *HbA1c*: glycated haemoglobin (mmol/mol); *Total cholesterol* expressed as mg/dL; *ASI*: Androgen Sensitivity Index (U x nmol/L²).

Supplementary Figure 2. Correlation matrix of multisystem disease symptom severity scales and biomarkers.



Lower panels show scatter plots with data points color-coded for polyQ repeats (from blue = 41 to red = 52), and upper panels show Spearman Rank correlation parameters (ρ correlation coefficient and p-value). *IPSS*: International Prostate Symptom Score (0-35, indwelling catheter made equal to maximum score for the purposes of correlation); *BMD*: Bone Mass Density of the femur (expressed as Z-score); *HbA1c*: glycated haemoglobin (mmol/mol); *Total cholesterol* expressed as mg/dL; *ASI*: Androgen Sensitivity Index ($U \times nmol/L^2$).