**Supplementary Figure 1.** Scatter plot of CKD273 classification scores of one control urine sample over 3 years. The x-axis depicts the date of analysis in months and the y-axis the scores of the CKD273-classifier. The continuous red line is the regression line of the regression analysis (see equation in the box). The dashed red line depicts the cut-off (0.343) of the CKD273-classifier.
Supplementary Figure 2. Longitudinal analysis of all patients in the longitudinal study. The x-axis depicts the duration of the examination in years. Urinary albumin excretion rate (UAER) is shown by blue lines (right y-axis) and classification factors of CKD273-classifier by black lines (left y-axis). The continuous red line depicts the cut-off (0.343) of the CKD273-classifier and the cutoff (200 μg/min) from micro- to macroalbuminuria. The dashed red line is the cut-off (20 μg/min) from normo- to microalbuminuria.

**Progressors (T2D):**
SUPPLEMENTARY DATA

Progressors (T2D):

- T2D_9414
- T2D_9419
- T2D_9417
- T2D_9415

Progressors (T2D):

- T2D_9412
- T2D_9609
Progressors (T1D):

- T1D_12864
- T1D_10900
- T1D_13561
- T1D_13599

Progressors (T1D):

- T1D_12867
- T1D_1950
Non-Progressors (T2D):

[Graphs showing data trends over time for non-progressors with T2D]
Non-Progressors (T1D):
Non-Progressors (T1D):
Supplementary Figure 3. Regulation of different urinary biomarkers at early and late stage prior to diagnosis of DN in diabetes type 1 patients. These figures show the progress of specific biomarkers (CKD273-classifier, UAER, and representative marker peptides of the CKD273-classifier (with highest AUC values at early stages), which show significant differences between progressors and non-progressors. The left panel depicts the Mann-Whitney test results of the early stage (-5 to -3 years prior diagnosis) and the right panel the late stage (-2 to 0 years prior diagnosis).
**Supplementary Figure 4.** Regulation of different urinary biomarkers at early and late stage prior to diagnosis of DN in diabetes type 2 patients. These figures show the progress of specific biomarkers (CKD273-classifier, UAER, and representative marker peptides of the CKD273-classifier (with highest AUC values at early stages), which show significant differences between progressors and non-progressors. The left panel depicts the Mann-Whitney test results of the early stage (-5 to -3 years prior diagnosis) and the right panel the late stage (-2 to 0 years prior diagnosis).
SUPPLEMENTARY DATA

early (3-5 years prior diagnosis)  

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late (0-2 years prior diagnosis)  

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