# Supplamentary Materials: The Role of Sarcosine, Uracil, and Kynurenic Acid Metabolism in Urine for Diagnosis and Progression Monitoring of Prostate Cancer

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Data regarding AUCs, SEs, *p* and CIs from Receiver operating characteristic analysis are presented in Tables S1–6

**Table S1**

| Endogenous metabolites | AUC | SE | *p* | 95% CI |
|---|---|---|---|---|
| **Sarcosine** | 0,47 | 0,052 | 0,554 | 0,37-0,57 |
| **Kynurenic acid** | 0,44 | 0,05 | 0,251 | 0,34-0,54 |
| **Uracil** | 0,59 | 0,05 | 0,066 | 0,49-0,69 |

**Table S2**

| Endogenous metabolites | AUC | SE | *p* | 95% CI |
|---|---|---|---|---|
| **Sarcosine** | 0,38 | 0,057 | 0,044 | 0,27-0,49 |
| **Kynurenic acid** | 0,41 | 0,057 | 0,128 | 0,31-0,52 |
| **Uracil** | 0,47 | 0,059 | 0,594 | 0,35-0,58 |

**Table S3**

| Endogenous metabolites | AUC | SE | *p* | 95% CI |
|---|---|---|---|---|
| **Sarcosine** | 0,46 | 0,059 | 0,473 | 0,34-0,57 |
| **Kynurenic acid** | 0,62 | 0,062 | 0,041 | 0,49-0,74 |
| **Uracil** | 0,54 | 0,059 | 0,492 | 0,42-0,66 |

**Table S4**

| Endogenous metabolites | AUC | SE | *p* | 95% CI |
|---|---|---|---|---|
| **Sarcosine** | 0,48 | 0,064 | 0,819 | 0,36-0,61 |
| **Kynurenic acid** | 0,51 | 0,064 | 0,858 | 0,38-0,63 |
| **Uracil** | 0,54 | 0,064 | 0,525 | 0,42-0,67 |

| Table S5 | | | | |
|---|---|---|---|---|
| **Endogenous metabolites** | **AUC** | **SE** | ***p*** | **95% CI** |
| **Sarcosine** | 0,51 | 0,081 | 0,927 | 0,35-0,67 |
| **Kynurenic acid** | 0,5 | 0,083 | 0,985 | 0,34-0,66 |
| **Uracil** | 0,54 | 0,082 | 0,595 | 0,38-0,71 |

| Table S6 | | | | |
|---|---|---|---|---|
| **Endogenous metabolites** | **AUC** | **SE** | ***p*** | **95% CI** |
| **Sarcosine** | 0,52 | 0,081 | 0,84 | 0,36-0,68 |
| **Kynurenic acid** | 0,57 | 0,08 | 0,36 | 0,42-0,73 |
| **Uracil** | 0,52 | 0,083 | 0,777 | 0,36-0,69 |

Supplementary Figure S1

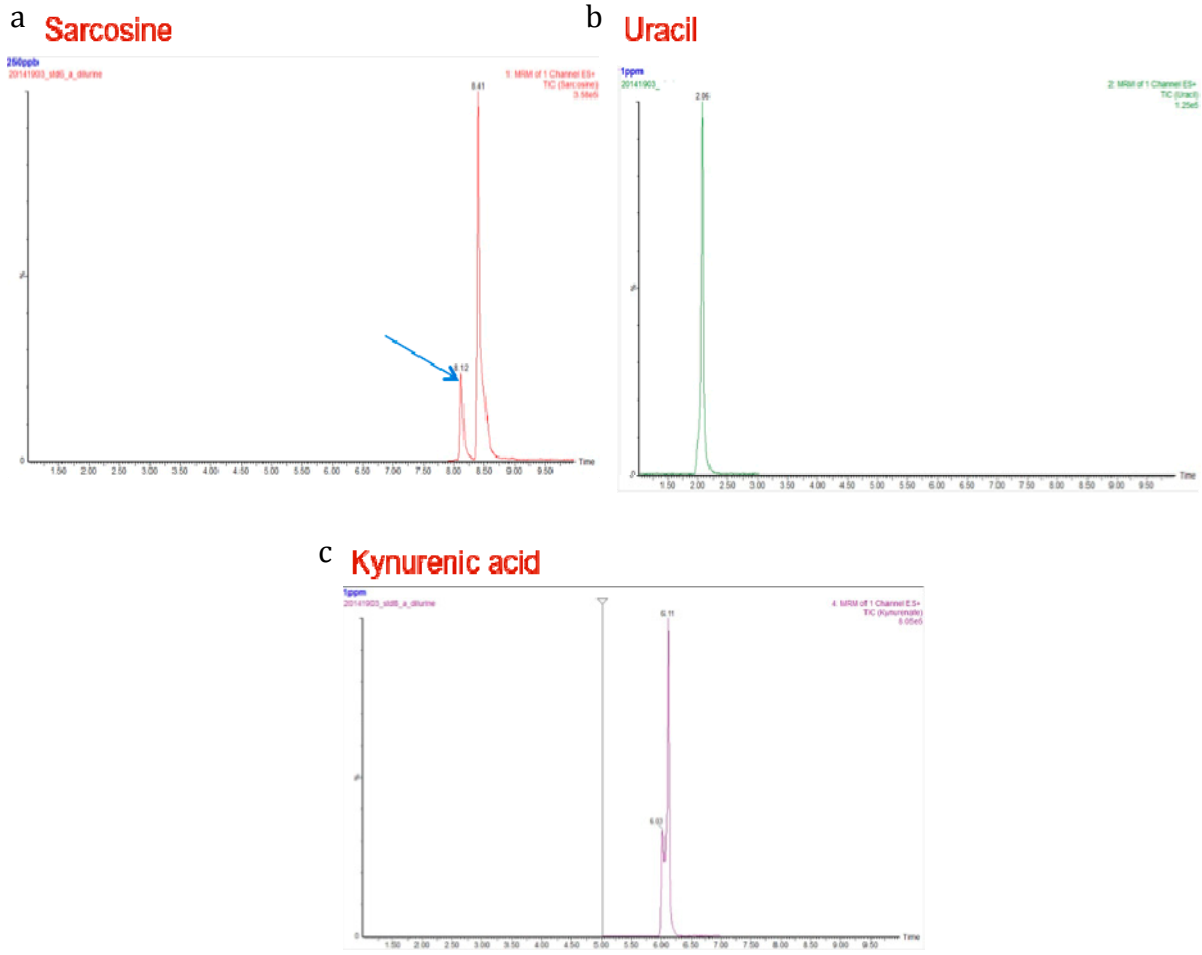

**Figure S1:** Chromatographic peaks of a) sarcosine, b)uracil and c)kynurenic acid in urine samples.