

**Table S1 Characteristics of healthy control, patients from KBD used for LC-MS/MS analysis and PRM analysis**

Sample	Age	Gender	BMI	Grade
<b>LC-MS/MS</b>				
Normal 1	54	Female	22.8	-
Normal 2	52	Female	21.7	-
Normal 3	57	Male	20.4	-
Normal 4	51	Male	21.4	-
KBD 1	60	Female	19.8	III*
KBD 2	54	Female	25.8	III*
KBD 3	60	Male	23.2	II*
KBD 4	53	Male	21.3	III*
<b>PRM</b>				
Normal 1	47	Male	20.4	-
Normal 2	55	Male	22.7	-
Normal 3	71	Female	25.1	-
Normal 4	76	Male	24.6	-
Normal 5	78	Male	22.7	-
Normal 6	44	Male	19.1	-
Normal 7	50	Female	22.4	-
Normal 8	49	Male	18.8	-
KBD 1	65	Male	21.6	II*
KBD 2	73	Female	19.5	II*
KBD 3	66	Male	22.5	III*
KBD 4	76	Female	24.6	III*
KBD 5	66	Male	23.8	II*
KBD 6	54	Male	24.8	III*
KBD 7	49	Male	19.6	II*
KBD 8	55	Female	21.2	III*
KBD 9	77	Male	26.4	III*
KBD 10	52	Female	23.4	III*
<b>IHC</b>				
Normal 1	46	Male	22.5	-
Normal 2	58	Female	21.4	-
Normal 3	49	Male	18.4	-
KBD 1	75	Male	25.8	III*
KBD 2	71	Female	23.8	III*
KBD 3	58	Male	21.2	III*

\* grade II patient the national criteria of KBD in China [WS/T 207-2010]

and III KBD according to diagnostic