| MMP1   | 2.79   | 5.05   | 3.38   | 4.1    | 5.5   | -2.02 | 0.52  | -1.64 | 1.97  | 4.78   | 4.83  | -0.51 | 3.52  | 2.74  | 3.74  |                 |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-----------------|
| MMP8   | 1.16   | 0.64   | 2      | 2.21   | 1.94  | -0.58 | 0.47  | 0.51  | -0.49 | 1.28   | 0.9   | 0.07  | 2.64  | 0.63  | 0.75  |                 |
| MMP13  | 3.08   | 6.1    | 3.26   | 4.83   | 5.82  | 1.55  | 1.17  | -0.22 | 0.66  | 5.28   | 4.42  | -0.53 | 3.11  | 2.49  | 1.36  |                 |
| MMP7   | 1.85   | -1.14  | 6.34   | 3.03   | 2.14  | -4.15 | -2.15 | 0.98  | -1.24 | 1.4    | 0.52  | -0.29 | 3.93  | 2.36  | 0.68  |                 |
| MMP26  | 0.09   | 0.07   | 0.22   | -0.64  | 0.28  | 2.96  | 0.03  | 0.07  | 0.08  | 0.09   | 0.15  | 3     | 0.42  | 0.01  | -1.8  | MMP Subtype     |
| MMP12  | 1.04   | 1.17   | 0.99   | 4.93   | 4.04  | 0.49  | 0.18  | -0.47 | 2.37  | 4.25   | 5.34  | 0.63  | 3.49  | 0.95  | 3.7   | Collagenases    |
| MMP3   | -0.4   | 2.12   | 4.05   | 4.96   | 4.02  | -0.15 | -0.22 | -0.59 | 0.67  | 2.94   | 4.47  | 0.05  | 3.91  | 0.99  | 2.06  | Matrilysin      |
| MMP10  | 1.18   | 2.62   | 2.45   | 4.36   | 3.65  | -0.42 | 0.15  | -0.45 | 1.43  | 2.59   | 4.77  | 1.83  | 3.16  | 1.81  | 2.25  |                 |
| MMP11  | 4.01   | 5.75   | 3.09   | 4.99   | 4.73  | 0.04  | 1.96  | 2.05  | 3.42  | 5.2    | 5.06  | 0.76  | 3.94  | 2.51  | 1.48  | Metalloelastase |
| MMP2   | -1.38  | -0.32  | -0.74  | 1.28   | 1.52  | -0.85 | -0.12 | -1.49 | 0.1   | 0.4    | -0.61 | -0.95 | 0.57  | -0.1  | -1.47 | Stromelysins    |
| MMP9   | 1.85   | 2.7    | 0.44   | 3.46   | 4.18  | 1.39  | 2.91  | 1.48  | 1.81  | 2.47   | 1.8   | 1.63  | 2.81  | 0.76  | 2.96  | Gelatinases     |
| MMP20  | 0.65   | -1.77  | 1.48   | 1.63   | 0.56  | 0.75  | -0.79 | -1.86 | 0.37  | 0.67   | 1.75  | -0.16 | 1.16  | 0.58  | -0.04 | Enamelysin      |
| MMP14  | 0.96   | 1.04   | 0.35   | 2.14   | 1.58  | -0.68 | 1.19  | 1.19  | 1.3   | 1.22   | 1.15  | -1.07 | 1.41  | 0.68  | -0.61 | Membrane-type   |
| MMP15  | 1.07   | 0.24   | -1.22  | 0.06   | 0.51  | 0.82  | -0.54 | 0.6   | 0.23  | 1.12   | -0.87 | -0.03 | 0.98  | -0.59 | 1.18  | Other           |
| MMP16  | -1.61  | -0.39  | -0.78  | 1.23   | 1.47  | 0.74  | 2.63  | -0.4  | 0.05  | 1.26   | 0.02  | -1.25 | 0.82  | 2.2   | -2.26 | logFC           |
| MMP17  | -0.28  | 0.54   | -0.48  | 1.95   | 1.41  | -0.96 | 0.89  | 0.2   | 0.49  | 2.35   | 0.82  | -0.5  | 0.3   | -0.44 | -1.12 |                 |
| MMP24  | -0.29  | -1.26  | -0.41  | 0.17   | -0.17 | 1.94  | -0.02 | 0.41  | 1.03  | -0.6   | -3.59 | -0.84 | 0.73  | -0.84 | -1.77 | > 2             |
| MMP25  | 0.25   | 0.66   | -1.84  | 1.47   | 0.87  | -0.39 | 1.85  | 0.58  | 0.02  | -0.4   | -1.51 | 0.12  | 0.76  | -0.46 | 0.19  | 1 – 2           |
| MMP19  | -0.76  | -1.01  | -0.64  | 0.17   | 1.59  | -2.94 | 0.47  | -0.69 | -0.4  | -1.53  | -2.84 | -0.19 | 0.86  | -0.07 | -2.08 | _1 –1 – 1       |
| MMP21  | -0.18  | -0.6   | -0.47  | 0.01   | 0.04  | -1.98 | 0.35  | -0.72 | 0.45  | 0.12   | -0.84 | -0.04 | -0.07 | -0.95 | -0.97 | <b>−2 − −1</b>  |
| MMP23A | 0.94   | -0.35  | -1.72  | -0.07  | -0.65 | -1.67 | 0.2   | -0.19 | -0.48 | 0.3    | -0.78 | 0.73  | -0.07 | -0.62 | -0.6  | < -2            |
| MMP23B | -1.22  | -0.06  | -0.67  | 0.71   | 1.01  | -1.51 | 0.06  | -0.58 | 0.02  | -0.35  | -1.33 | -0.1  | 0.07  | -0.06 | -1.27 | P >= 0.05       |
| MMP27  | -2.91  | -3     | -3.33  | -1.03  | -2.16 | -0.17 | 0.13  | -0.36 | -0.32 | -0.2   | 0.63  | -0.04 | -1.39 | -0.87 | -1.14 |                 |
| MMP28  | -0.71  | -1.98  | -3.8   | 0.14   | 1.06  | -3.14 | -0.44 | -0.55 | 0.52  | -2.28  | -3.75 | -1.14 | -1.18 | -0.56 | -3.91 |                 |
| i      | BLCA ( | skrv ( | JOAO ( | isca , | INSC. | MCH.  | KIRC  | KIRS  | JHC.  | LUAD . | ing ( | PRAD  | STAD  | HCA,  | scfc  |                 |