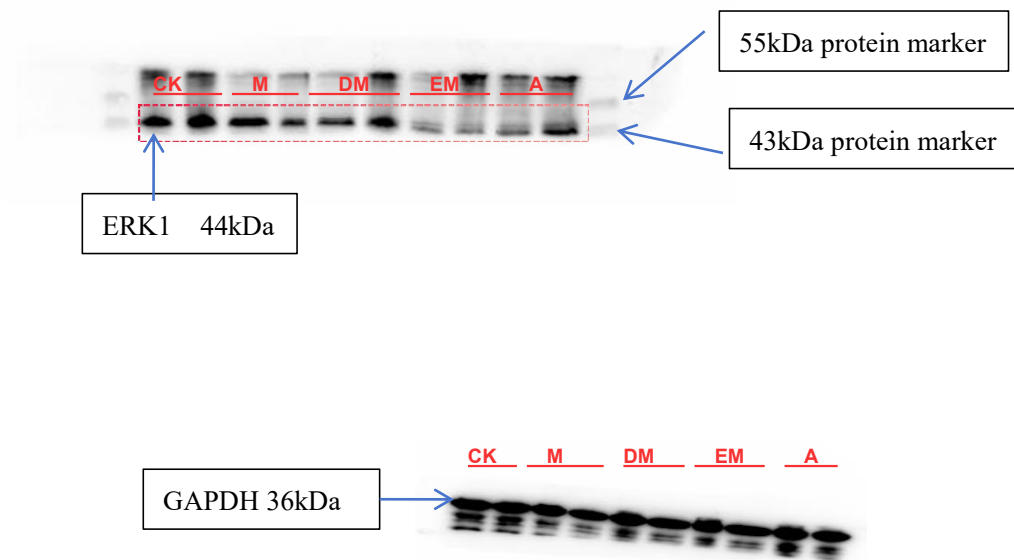
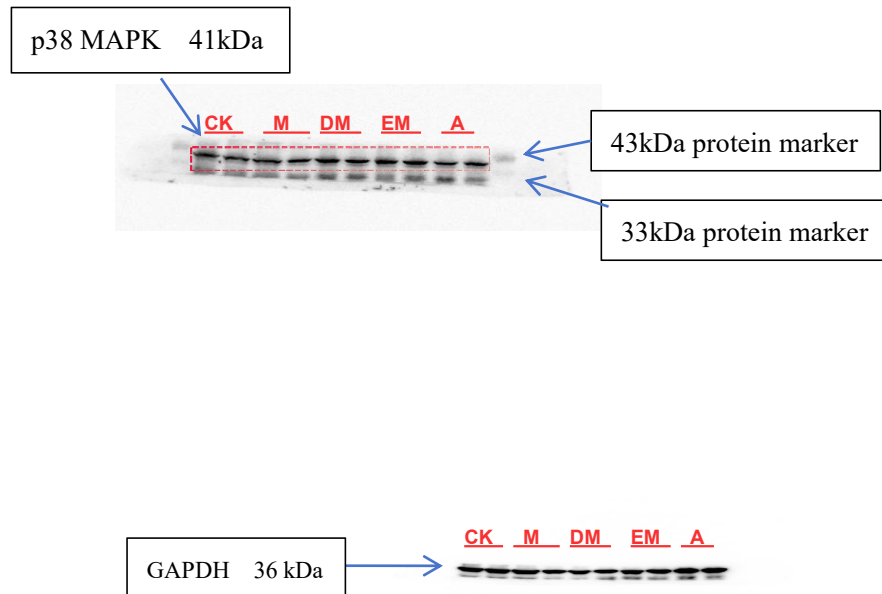




Supplementary Figure 1. The unprocessed scans of Western blots for quantify the levels of ERK1 protein. The lanes used in this study are highlighted within the red box. As the molecular weights of detected proteins are very similar (ERK1 is approximately 44 kDa, while p38 MAPK is about 41 kDa, and GAPDH is about 36 kDa), which made the separation of them on SDS-PAGE gels very difficult, thus Western blots were repeatedly conducted multiple times. And this picture shows the result of one of these repeats.



Supplementary Figure 2. The unprocessed scans of Western blots for quantify the levels of p38 MAPK protein. The lanes used in this study are highlighted within the red box. As the molecular weights of detected proteins are very similar (ERK1 is approximately 44 kDa, while p38 MAPK is about 41 kDa, and GAPDH is about 36 kDa), which made the separation of them on SDS-PAGE gels very difficult, thus Western blots were repeatedly conducted multiple times. And this picture shows the result of one of these repeats.