

**Supplementary Table 1 First MRI assessment of tumour burden in *Tsc1*<sup>+/-</sup> mice before treatment**

(Mann Whitney test )

A. Lesion number (all cystic, papillary and solid lesions)

| Treatment*             | Number of mice | Median | Range | P (compared with Vehicle) | P (compared with Rapamycin) | P (compared with Rapamycin+Atorvastatin) |
|------------------------|----------------|--------|-------|---------------------------|-----------------------------|--|
| Vehicle                | 6              | 14     | 8-24  |                           |                             |  |
| Atorvastatin           | 6              | 15.5   | 10-29 | 0.5628                    | 0.8398                      | 0.9134                                   |
| Rapamycin              | 6              | 18     | 10-27 | 0.5130                    |                             |  |
| Rapamycin+Atorvastatin | 6              | 17     | 14-22 | 0.4935                    | 0.8463                      |  |

B. Lesion volume (all cystic, papillary and solid lesions)

| Treatment*             | Number of mice | Median (mm <sup>3</sup> ) | Range (mm <sup>3</sup> ) | P (compared with Vehicle) | P (compared with Rapamycin) | P (compared with Rapamycin+Atorvastatin) |
|------------------------|----------------|---------------------------|--------------------------|---------------------------|-----------------------------|--|
| Vehicle                | 6              | 20.205                    | 10.18-93.95              |                           |                             |  |
| Atorvastatin           | 6              | 15.435                    | 5.04-38.16               | 0.5887                    | 0.8182                      | 0.8182                                   |
| Rapamycin              | 6              | 16.52                     | 10.59-47.65              | 0.6991                    |                             |  |
| Rapamycin+Atorvastatin | 6              | 21.11                     | 7.61-29.78               | 0.9372                    | 0.6991                      |  |

\* The 1st MRI scan was performed before treatment at the age of 12 months.