

Suppl. Table 1

|  | Control (n=5) | EoE Active No fibrosis (n=5) | EoE Active Fibrosis (n=5) | EoE Remission No fibrosis (n=5) | EoE Remission Fibrosis (n=4) |
|---|------------------|------------------------------------|---------------------------------|---------------------------------------|------------------------------------|
| Condition | | | | | |
| Activity | - | + | + | - | - |
| Inflammation | - | + | + | - | - |
| Fibrosis | - | - | + | - | + |
| Age at collection | | | | | |
| n | 5 | 5 | 5 | 5 | 4 |
| Mean (sd) | 55.20 (11.03) | 43.60 (3.65) | 28.00 (4.24) | 44.20 (11.92) | 38.25 (6.85) |
| Min - max | 46.00 - 70.00 | 40.00 - 48.00 | 25.00 - 35.00 | 32.00 - 64.00 | 32.00 - 48.00 |
| Gender | | | | | |
| Number of males (%) | 1 (20%) | 2 (40%) | 5 (100%) | 2 (40%) | 3 (75%) |
| Biopsies origin | | | | | |
| Number of distal (%) | 4 (80%) | 4 (80%) | 4 (80%) | 5 (100%) | 2 (50%) |
| Number of proximal (%) | 1 (20%) | 1 (20%) | 1 (20%) | 0 (0%) | 2 (50%) |
| Treatment at collection | | | | | |
| Fluticasone (%) | - | 2 (40%) | 2 (40%) | 1 (20%) | 4 (100%) |
| Budesonide (%) | - | 2 (40%) | 1 (20%) | 2 (40%) | - |
| PPI (%) | - | - | 2 (40%) | 1 (20%) | - |
| Diet (%) | - | 1 (20%) | 1 (20%) | - | - |
| Dilation (%) | - | - | 2 (40%) | 1 (20%) | 1 (20%) |

Supplementary Tables available as excel files:

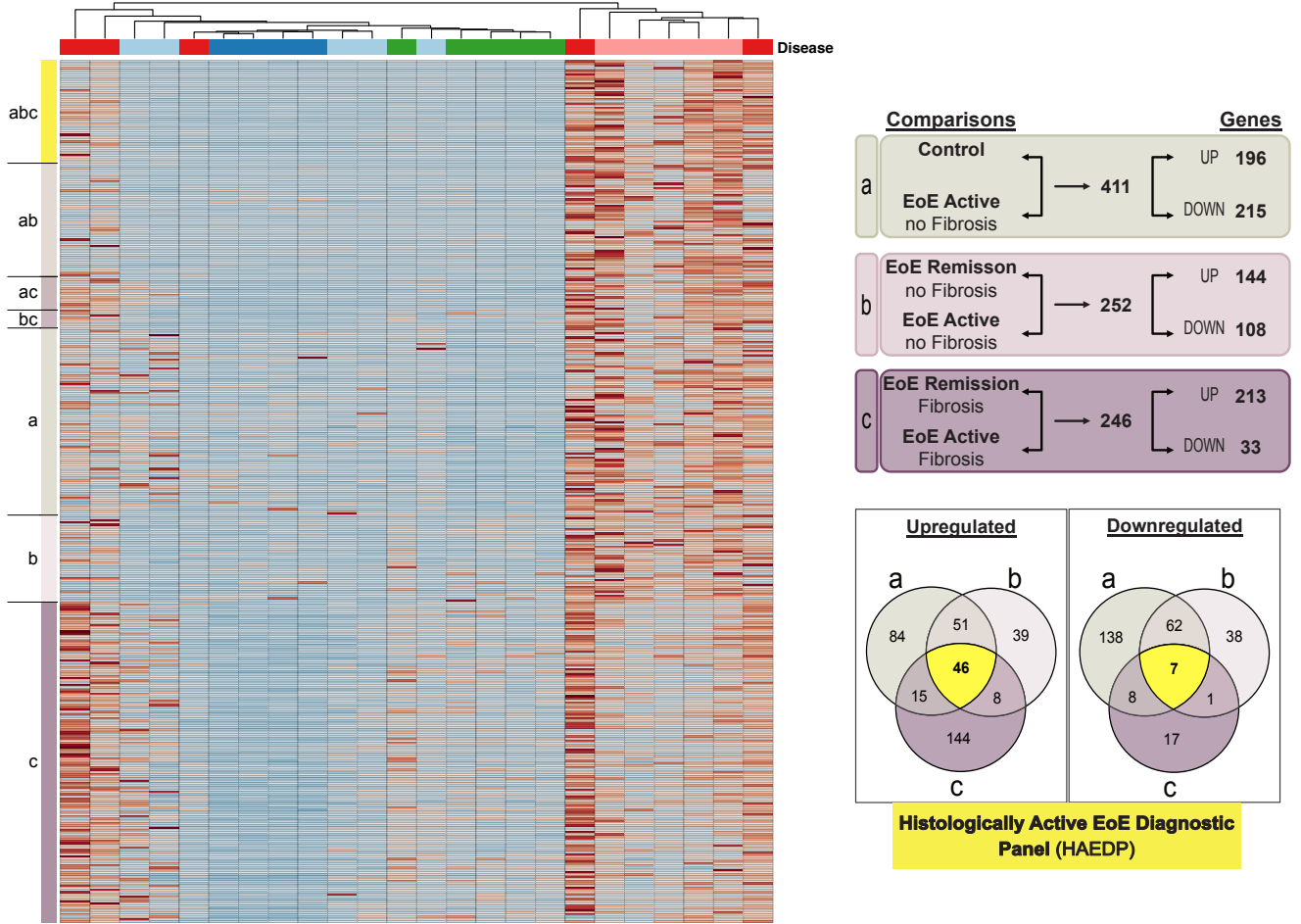
Suppl. Table 2 - List of upregulated genes

Suppl. Table 3 - List of downregulated genes

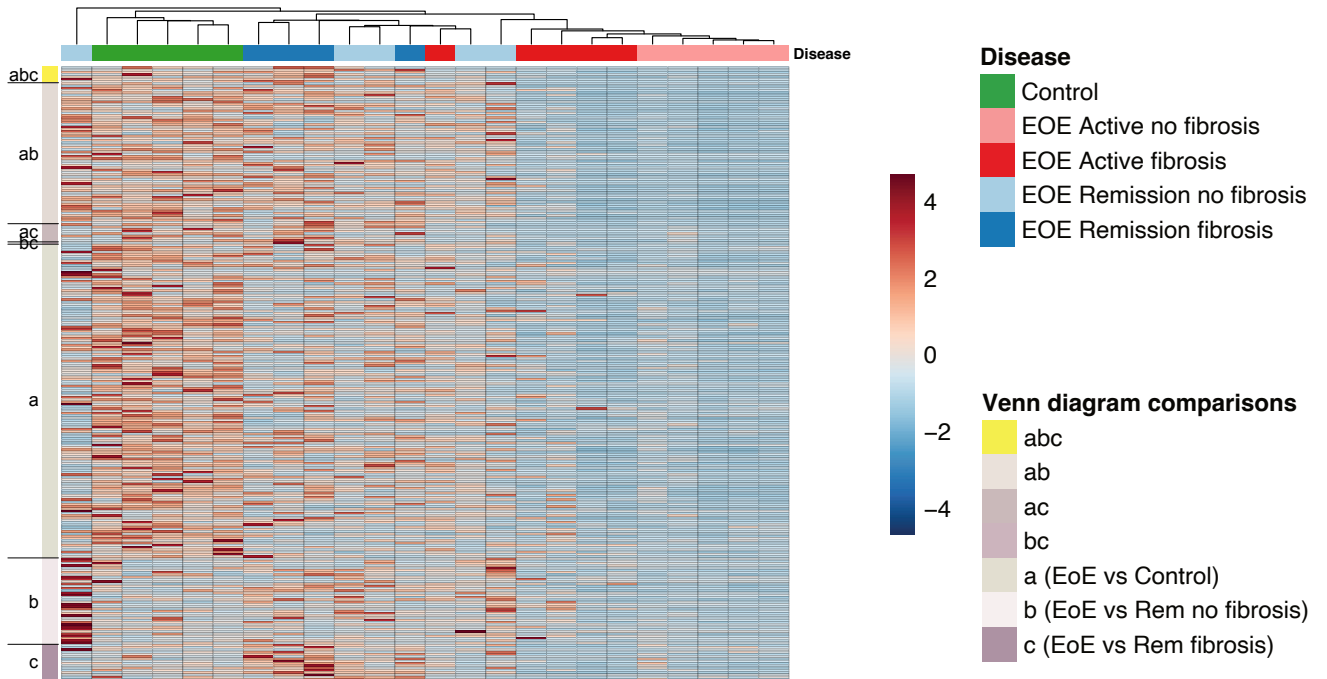
Suppl. Table 4

| | Fluticasone | Budesonide | PPI | Diet | Time |
|----------------------------------|-------------|------------|-----|------|--------|
| | | | | | Months |
| EoE Active no fibrosis | | | | | |
| 1 | | | | x | 10 |
| 2 | x | | | | 46 |
| 3 | | x | | | < 1 |
| 4 | | x | | | 5 |
| 5 | | | | | |
| EoE Active fibrosis | | | | | |
| 1 | | | | x | 2 |
| 2 | | x | | | < 1 |
| 3 | x | | | | 9 |
| 4 | x | | x | | 29 |
| 5 | | | x | | 1 |
| EoE Remission no fibrosis | | | | | |
| 1 | | x | | | 6 |
| 2 | x | | | | 5 |
| 3 | | | x | | < 1 |
| 4 | | | | | |
| 5 | | x | | | < 1 |
| EoE Remission fibrosis | | | | | |
| 1 | x | | | | 16 |
| 2 | x | | | | 16 |
| 3 | x | | | | 29 |
| 4 | x | | | | 27 |

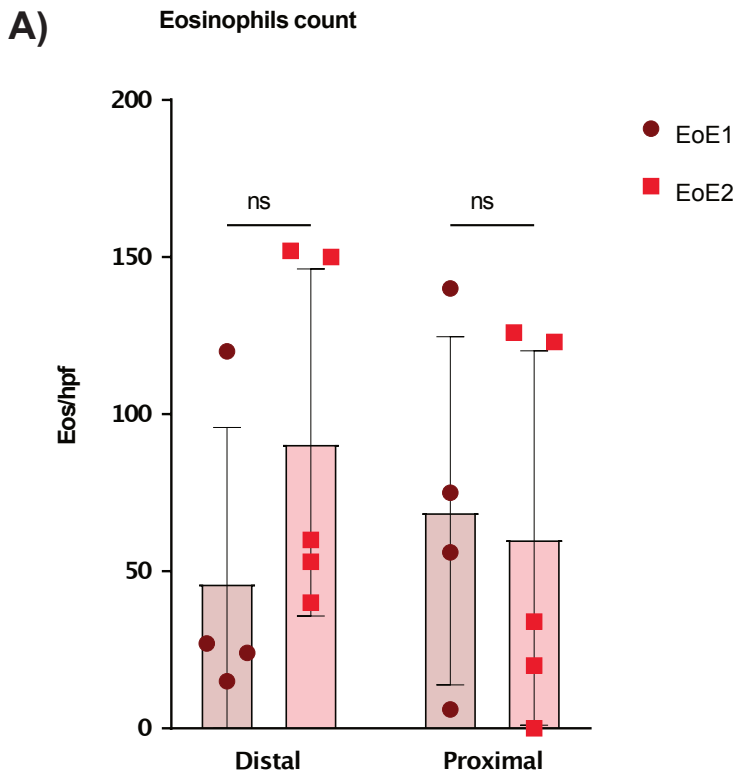
A) Upregulated



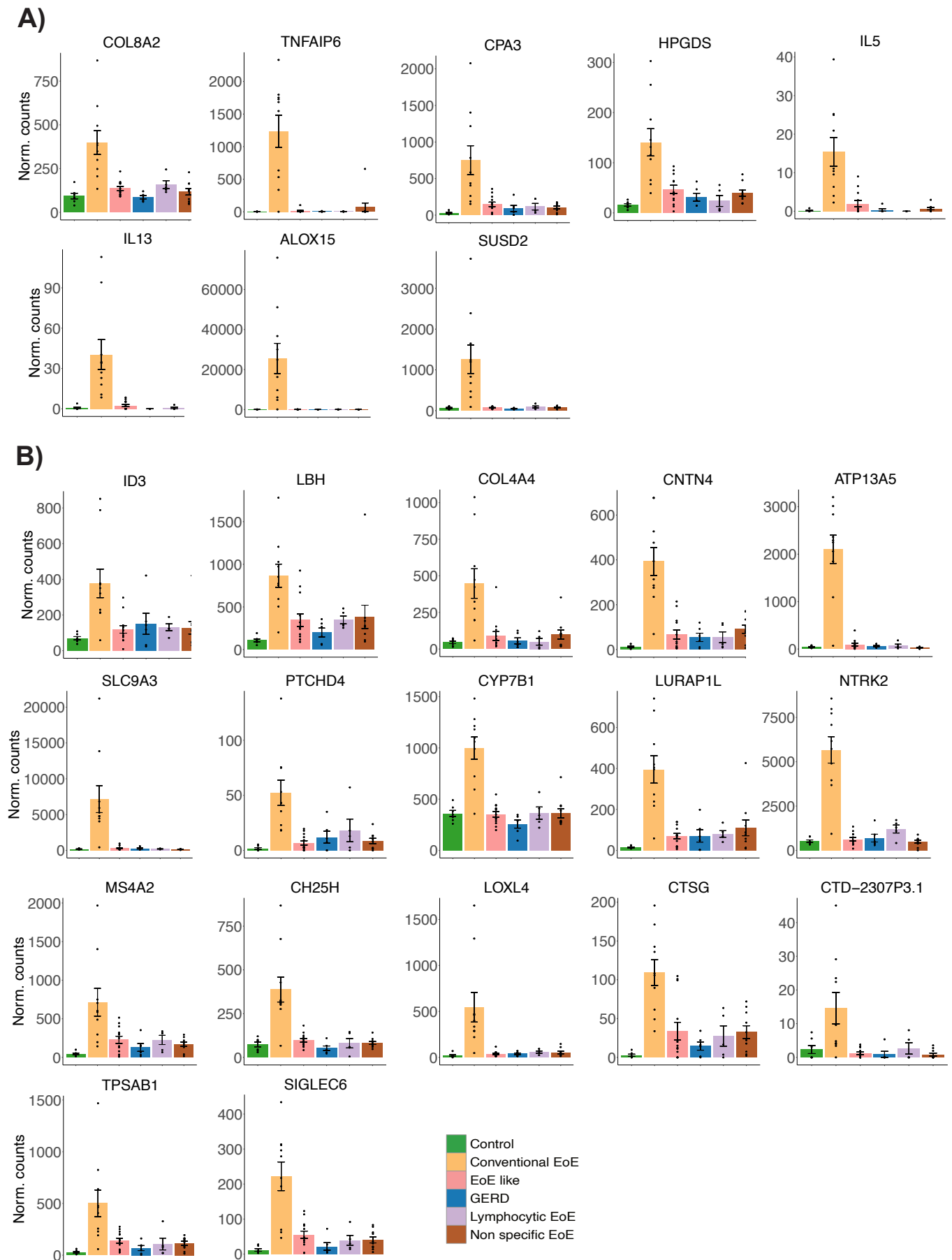
B) Downregulated



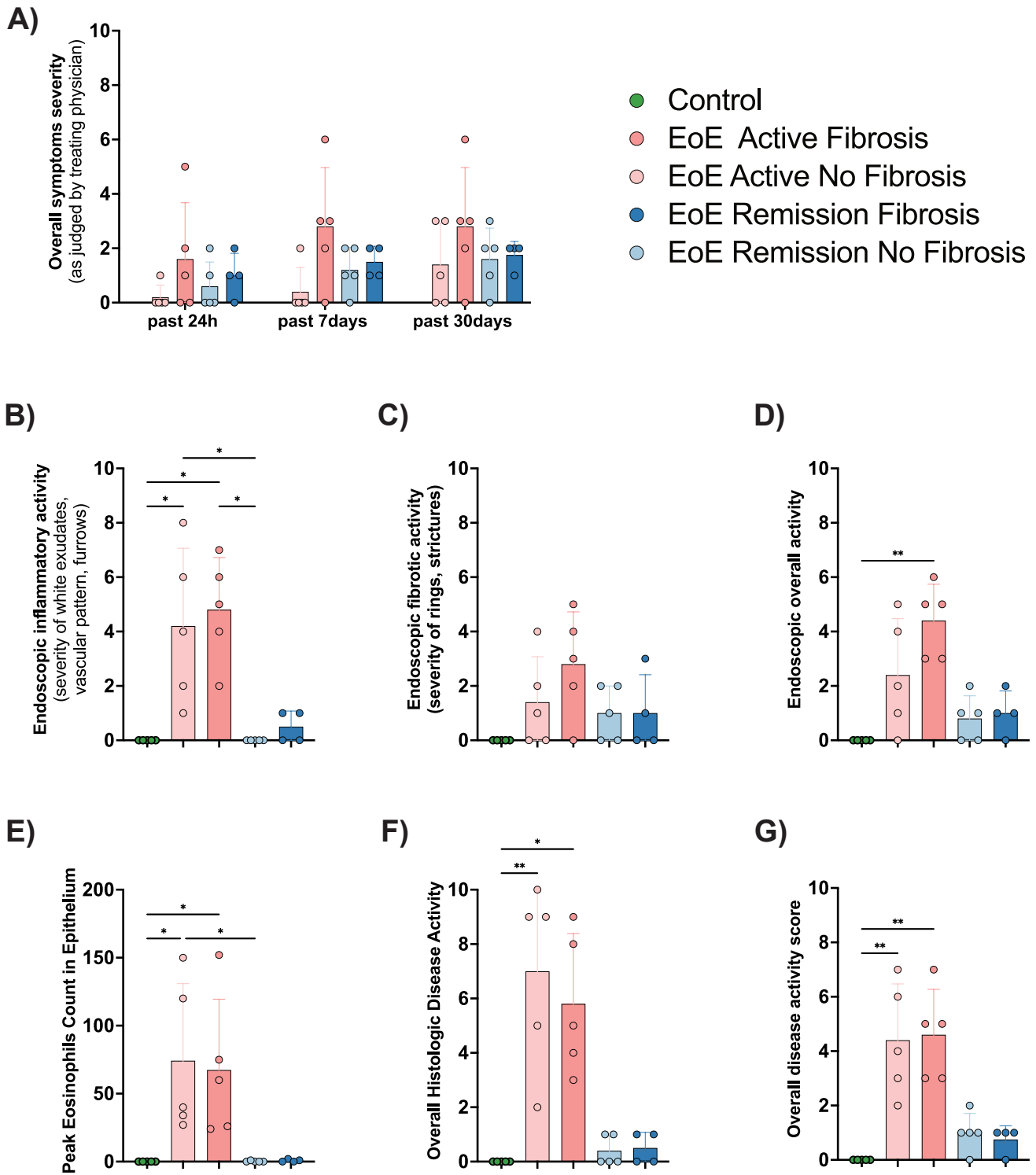
Suppl. Figure 1



Suppl. Figure 2



Suppl. Figure 3



Suppl. Figure 4