### Supplementary Table 1. List of antibodies used in Western Blot.

| Antibody name                  | Company                                           | Dilution |
|--------------------------------|---------------------------------------------------|----------|
| Anti-PY99                      | Santa Cruz Biotechnology (sc-7020)                | 1/200    |
| Anti-PDGFRβ (Ct-terminus)      | Santa Cruz Biotechnology (sc-432)                 | 1/400    |
| Anti-PDGFRβ (Ct-terminus)      | Cell Signaling Technology (3169)                  | 1/1000   |
| Anti-phospho-STAT1 (Tyr701)    | Cell Signaling Technology (9167)                  | 1/500    |
| Anti-STAT1                     | BD Biosciences (610115)                           | 1/1000   |
| Anti-phospho-STAT3 (Tyr705)    | Cell Signaling Technology (9131)                  | 1/500    |
| Anti-STAT3                     | Cell Signaling Technology (9132)                  | 1/1000   |
| Anti-phospho-STAT5 (Tyr694)    | Cell Signaling Technology (9351)                  | 1/1000   |
| Anti-STAT5                     | Santa Cruz Biotechnology (sc-835)                 | 1/1000   |
| Anti-phospho-AKT1 (Ser473)     | Cell Signaling Technology (9018)                  | 1/1000   |
| Anti-AKT                       | Cell Signaling Technology (9272)                  | 1/1000   |
| Anti-phospho-PLCγ1 (Tyr783)    | Cell Signaling Technology (2821)                  | 1/1000   |
| Anti-PLCγ1                     | Cell Signaling Technology (2822)                  | 1/1000   |
| Anti-ACTB                      | Sigma (A5441)                                    | 1/2000   |
| Anti-Calnexin                  | Enzo (ADI-SPA-860-D)                             | 1/1000   |
| Anti-rabbit IgG                | Cell Signaling Technology (7074)                  | 1/5000   |
| Anti-mouse IgG                 | Cell Signaling Technology (7076)                  | 1/5000   |

### Supplementary Table 2. List of antibodies used in Flow Cytometry.

| Antibody name                  | Company                                           | Dilution |
|--------------------------------|---------------------------------------------------|----------|
| Anti-human PDGFRβ              | Homemade (AH17.2, reference [20])                 | 1/300    |
| F’2 Fragment Donkey Anti-Mouse IgG coupled to R-Phycoerythrin | Jackson ImmunoResearch (715-116-150) | 1/100    |
### Supplementary Table 3. List of primers used for Real-Time PCR in NIH3T3 cells.

| Target | Primers sequence (5’-3’) | Tm   |
|--------|-------------------------|------|
| PDGFRB | Forward GACCCCAAACCGAGGTT  
Reverse ATGGTGAGGGGTGTGACTTT | 60°C |
| CXCL9  | Forward ACGGAGATCAAACCTGCTA  
Reverse TTCTTGAAACGAGCAGACT | 60°C |
| CXCL10 | Forward CATCCCTGCGAGCCTATCC  
Reverse CATCTCTGCTCATCTTTTCTCA | 60°C |
| CXCL11 | Forward ACTATGAAGGCTCATAAAACGACAA  
Reverse TTCTATGGAGGGGCTCACAG | 60°C |
| IRF1   | Forward ACTGTCACCGTGTTGCTGC  
Reverse TCTGTTCGGGCTCAGGAGG | 60°C |
| USP18  | Forward TGCAAGGTCTGTGTTACCATC  
Reverse GCACATGTCGGAGCTTTCTA | 60°C |
| OASL2  | Forward GGATGCCTGGGAGAGAATCG  
Reverse TGGCCCTGCTCTCTGAAACTG | 60°C |
| ACTINE B | Forward CTCTGGCTCTCCTAGACCACCAGG  
Reverse GCTGGAAAGGGAGCAGTGAAG | 60°C |

### Supplementary Table 4. List of primers used for PDGFRB site-directed mutagenesis.

| Mutation | Primers sequence (5’-3’) | Tm   |
|----------|-------------------------|------|
| p.R561C  | Forward TTTGGCCAGAAGAAGCCATGTTACGAGATCCGATGG  
Reverse CCATCGGATCTCGTAAACATGCGTCTCTCCTGCAAA | 55°C |
| p.W566R  | Forward GCCACGTTTACGAGATCCGAAAGGATGATTGAG  
Reverse CTCAACATCGTCCCTGCTGATTAACGATGGC | 55°C |
| p.P584R  | Forward ATCTACACGTGGCCCATCGATCGCTGCCC  
Reverse GGCGAGCTCGCTGCCTGCCCACGTAGAT | 55°C |
| p.V665A  | Forward CCACCTGAACGTGGCCAAACCTTGTGGGGGG  
ReverseCCCCAACACGGTTGCCCCACGGTACGGTGG | 55°C |
| p.N666H  | Forward CCTGAACGTGGCCCTGCTGTTGCGGGGG  
Reverse GCGCCCAACAGGTGACCACGGTTCAGG | 55°C |
| p.N666K  | Forward CCTGAACGTGGCTCAAGCTGTTGCGGGGG  
Reverse GCGCCCAACAGGTGACCACGGTTCAGG | 55°C |