### Predictive transcription factors

| Transcription factor | Transcription direction | Track score |
|----------------------|-------------------------|-------------|
| YY1                  | Reverse                 | 742         |
| Tcfl5                | Reverse                 | 646         |
| ZNF384               | Forward                 | 605         |
| Nr2f6(var.2)         | Reverse                 | 589         |
| SP4                  | Forward                 | 554         |
| JUNB                 | Reverse                 | 553         |
| Zfx                  | Forward                 | 553         |
| MSC                  | Forward                 | 553         |
| Rarg                 | Reverse                 | 552         |
| JUN(var.2)           | Reverse                 | 552         |
| FOSL1                | Reverse                 | 550         |

### Relative protein level of JUNB

| Age | Gender | JUNB of Damaged |
|-----|--------|-----------------|
| <65 | Male   | Low             |
| ≥65 | Female | High            |

### Relative protein level of FBXO21 in undamaged

| Treatment             | Relative protein level |
|-----------------------|------------------------|
| KD-NC                 | ns                     |
| KD-JUNB               | ns                     |
| KD-JUNB&OE-FBXO21     | **                     |

| Protein               | Relative protein level |
|-----------------------|------------------------|
| Aggrecan              | ns                     |
| MMP3                  | ns                     |
| MMP13                 | ns                     |

### Apoptosis rate (%)

| Treatment             | Apoptosis rate (%) |
|-----------------------|--------------------|
| KD-NC                 | ns                 |
| KD-JUNB               | ns                 |
| KD-JUNB&OE-FBXO21     | ***                |

### mRFP-GFP dots/cell

| Treatment             | mRFP-GFP dots/cell |
|-----------------------|--------------------|
| KD-NC                 | ns                 |
| KD-JUNB               | ns                 |
| KD-JUNB&OE-FBXO21     | ****               |

### PI

| Treatment             | PI |
|-----------------------|----|
| GFP                   | 16 |
| mRFP                  | 16 |

### AV-FITC

| Treatment             | AV-FITC |
|-----------------------|---------|
| KD-NC                 | -       |
| KD-JUNB               | +       |
| KD-JUNB&OE-FBXO21     | +       |