

## Supplementary Table 1:

**Supplementary Table 1: Clinical characteristics of cartilage specimens**

<b>Cartilage Specimen</b>	<b>Age of Donor</b>	<b>Gender</b>	<b>Source of cartilage</b>
Allograft #1	16	M	Femur (Joint Restoration Foundation)
Allograft #2	19	M	Femur (Joint Restoration Foundation)
Allograft #3	30	M	Femur (Joint Restoration Foundation)
Allograft #4	18	M	Femur (Joint Restoration Foundation)
Allograft #5	17	F	Femur (Musculoskeletal Transplant Foundation)
Allograft #6	20	M	Talus (Joint Restoration Foundation)
Allograft #7	22	M	Humerus (Joint Restoration Foundation)
Allograft #8	22	M	Femur (Joint Restoration Foundation)
Allograft #9	33	M	Femur (Joint Restoration Foundation)
Allograft #10	18	M	Femur (Joint Restoration Foundation)
Allograft #11	31	M	Femur (Joint Restoration Foundation)
Allograft #12	33	F	Talus (Joint Restoration Foundation)
Allograft #13	15	M	Femur (Joint Restoration Foundation)
Allograft #14	33	M	Femur (Musculoskeletal Transplant Foundation)
Allograft #15	25	M	Femur (Joint Restoration Foundation)
Fresh cartilage #1	68	F	Femur (Knee arthroplasty)
Fresh cartilage #2	52	F	Femur (Knee arthroplasty)
Fresh cartilage #3	21	M	Tibia (Amputation tumor resection)
Fresh cartilage #4	19	M	Femur (Amputation tumor resection)
Fresh cartilage #5	81	M	Femur (Knee arthroplasty)
Fresh cartilage #6	58	M	Talus (Amputation ischemia)
Fresh cartilage #7	27	M	Femur (Amputation trauma)
Fresh cartilage #8	16	M	Femur (Amputation tumor resection)
Fresh cartilage #9	33	F	Femur (Amputation tumor resection)
Fresh cartilage #10	70	F	Femur (Knee arthroplasty)