Supplementary Figure 1. Schematic summary of the algorithm employed for the visuo-auditory conversion and the components of the system (adapted from Meijer 1992). The functional basis of the visuo-auditory transformation employed lies in spectrographic sound synthesis from any input image, which is then further perceptually enhanced through stereo panning and other techniques. Time and stereo panning constitute the horizontal axis in the sound representation of an image, tone frequency makes up the vertical axis, and loudness corresponds to pixel brightness. Visual information in the sound representations of complicated gray-scale images is preserved up to a resolution of about 60x60 pixels for a 1 s sound scan and a 5 kHz audio bandwidth. Further technical details can be obtained at http://www.seeingwithsound.com/ where it is also possible to demo the algorithm and get a sense of the generated soundscapes.