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1 Support information for

2 Aspirin enhances the osteogenic and anti-inflammatory effects of

3 human mesenchymal stem cells on osteogenic BFP-1 peptide-

4 decorated substrates

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- 4 Fig. S1. Schematic of preparation of osteogenic BFP-1 peptide-decorated substrates.



3 Fig. S2. Surface characterisation of pristine and functionalised PS substrates (PS-PDA,

4 PS-CMC and PS-PEP). (a) Water contact angles. Data are means \pm standard errors (n

5 = 6). (b) XPS survey scan spectra. (c) SEM morphology. Scale bars indicate 50 μ m.



4 Fig. S3. Osteogenic differentiation of hMSCs cultured on pristine and PS-PEP
5 substrates. (a) ALP expression at 7 and 14 days. (b) Calcium deposition at 21 days. (*)
6 p < 0.05.



4 Fig. S4. Adherent morphologies and actin cytoskeletal organisation (green, FITC5 phalloidin; blue, nuclei counterstained with DAPI) of hMSCs after incubation with or
6 without aspirin on pristine (PS) and BFP-1 peptide-decorated (PS-PEP) substrates.
7 Scale bars indicate 200 μm.