## Supplementary Material

### Supplementary Table 2: Surface marker expression of bursa-derived cells compared to the literature

| Marker classification | Antigen | Fluorochrome | % positive cells |
|-----------------------|---------|--------------|------------------|
|                       |         |              | Bursa-derived cells | Bursa stem cells from literature |
| Mesenchymal progenitor markers | CD29    | PE           | 99.3 (97.9-100) |
|                        | CD44    | PE-Cy7       | 98.7 (96.2-100) | 70-95²; 90¹ |
|                        | CD73    | APC          | 95.3 (85.8-100) | 97.5¹; 90³ |
|                        | CD90    | PerCP-Cy5.5  | 90.7 (70.2-100) | 95.2¹; 81²; 100³ |
|                        | CD105   | FITC         | 99.7 (99.1-100) | 98.1¹; 12.8²; 95³ |
| Hematopoietic markers  | CD11b   | V450         | 1.7 (0.8-3.3)  |
|                        | CD14    | PC-Cy7       | 1.5 (0.7-2.7)  |
|                        | CD19    | PE           | 0.2 (0-0.6)     |
|                        | CD34    | FITC         | 5.5 (1.2-9.3)  | 7.7¹; 0² |
|                        | CD45    | PerCP        | 1.2 (0.1-0.5)  | 0²³ |

1) (Steinert et al. 2015); 2) (Utsunomiya et al. 2013); 3) (Morikawa et al. 2020)

### References:

Morikawa, D., L. N. Muench, J. B. Baldino, C. Kia, J. Johnson, A. Otto, L. Pauzenberger, F. Dyrna, M. B. R. McCarthy, and A. D. Mazzocca. 2020. 'Comparison of Preparation Techniques for Isolating Subacromial Bursa-Derived Cells as a Potential Augment for Rotator Cuff Repair', *Arthroscopy*, 36: 80-85.

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Utsunomiya, H., S. Uchida, I. Sekiya, A. Sakai, K. Moridera, and T. Nakamura. 2013. 'Isolation and characterization of human mesenchymal stem cells derived from shoulder tissues involved in rotator cuff tears', *Am J Sports Med*, 41: 657-68.