**(SRR1020509):**

**mouse wild-type activated B cells bisulfite sequencing rep1**

[Mus musculus](http://www.ncbi.nlm.nih.gov/taxonomy/10090) (house mouse)

Attributes

|  |  |
| --- | --- |
| **age** | 6-8 weeks |
| **cell type** | splenic B cells |
| **genotype** | wild-type |
| **description** | Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen). |
| **breed** | C57BL/6 |

Description

Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen).

**(SRR1020523):**

**mouse wild-type activated B cells bisulfite sequencing rep2**

[Mus musculus](http://www.ncbi.nlm.nih.gov/taxonomy/10090) (house mouse)

Attributes

|  |  |
| --- | --- |
| **age** | 6-8 weeks |
| **cell type** | splenic B cells |
| **genotype** | wild-type |
| **description** | Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen). |
| **breed** | C57BL/6 |

Description

Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen).

**(SRR1020537):**

**mouse CLP cells bisulfite sequencing technical replicate**

[Mus musculus](http://www.ncbi.nlm.nih.gov/taxonomy/10090) (house mouse)

Attributes

|  |  |
| --- | --- |
| **age** | 6 weeks |
| **cell type** | hematopoetic stem cells |
| **breed** | C57BL/6 |

Description

Hematopoetic stem cells were isolated from the bone marrow of 25 six-week old C57BL6 mice (Jackson Laboratory). Cells were purified following Ema et al.’s protocol (PMID: 17406558). CLP (KIT+, SCA1+, Lin-, IL-7R+) cells were sorted using MoFlo Legacy (Beckman Coulter) and BD FACSAria III.

**(SRR1015705):**

**mouse KSL cells bisulfite sequencing**

[Mus musculus](http://www.ncbi.nlm.nih.gov/taxonomy/10090) (house mouse)

Attributes

|  |  |
| --- | --- |
| **age** | 6-8 weeks |
| **cell type** | splenic B cells |
| **genotype** | wild-type |
| **description** | Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen). |
| **breed** | C57BL/6 |

Description

Resting splenic B cells were isolated from 6-8 week-old wild-type C57BL6/J mice with anti-CD43 Microbeads (anti-Ly48; Miltenyi Biotech) and were activated for 48-60 h with LPS (50 μg/ml; Sigma), IL-4 (5 ng/ml; Sigma) and 0.5 μg ml−1 of anti-CD180 (RP105) antibody (RP/14, BD Pharmingen).

**(SRR1015434)**

**mouse KSL cells bisulfite sequencing**

[Mus musculus](http://www.ncbi.nlm.nih.gov/taxonomy/10090) (house mouse)

Attributes

|  |  |
| --- | --- |
| **age** | 6 weeks |
| **cell type** | hematopoetic stem cells |
| **description** | Hematopoetic stem cells were isolated from the bone marrow of 25 six-week old C57BL6 mice (Jackson Laboratory). Cells were purified following Ema et al.’s protocol (PMID: 17406558). KSL (KIT+, SCA1+, Lin-, IL-7R-) cells were sorted using MoFlo Legacy (Beckman Coulter) and BD FACSAria III. |
| **breed** | C57BL/6 |

Description

Hematopoetic stem cells were isolated from the bone marrow of 25 six-week old C57BL6 mice (Jackson Laboratory). Cells were purified following Ema et al.’s protocol (PMID: 17406558). KSL (KIT+, SCA1+, Lin-, IL-7R-) cells were sorted using MoFlo Legacy (Beckman Coulter) and BD FACSAria III.