http://www.jem.org/cgi/content/full/jem.20062041/DC1

Table S1. Analysis of class switch recombination by Southern blot in DLBCL cell lines

| Cell line | DLBCL subtype | Legitimate switch | Illegitimate switch |  | Intra-switch deletion/recombination |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 5' probe | 3' probe |  |
| OCI-Ly3 | ABC | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | $\mathrm{S} \mu, \mathrm{S} \gamma, \mathrm{S} \alpha$ | $\mathrm{S} \mu, \mathrm{S} \gamma$ | none |
| OCI-Ly10 | ABC | none | S $\alpha$ | S $\gamma$ | S $\gamma$ |
| SUDHL-2 | ABC | none | S $\mu$ | none | none |
| HBL-1 | ABC | none | none | none | $\mathrm{S} \mu, \mathrm{S} \gamma$ |
| U2932 | ABC | none | none | none | S $\alpha$ |
| Riva | ABC | none | none | none | S $\mu$ |
| NUDHL-1 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | S $\alpha$ | none | $\mathrm{S} \mu, \mathrm{S} \gamma$ |
| OCI-Ly1 | GCB | S $\alpha$ to $\mathrm{S} \gamma$ | none | S $\gamma$ | S $\gamma, \mathrm{S} \alpha$ |
| OCI-Ly2 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | S $\gamma$ | S $\gamma$ | S $\alpha$ |
| OCI-Ly4 | GCB | none | none | none | none |
| OCI-Ly7 | GCB | none | none | none | S $\mu$ |
| OCI-Ly8 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | S $\gamma$ | S $\gamma$ | $\mathrm{S} \mu, \mathrm{S} \alpha$ |
| BJAB | GCB | none | none | none | none |
| HT | GCB | none | none | none | none |
| DB | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma, \mathrm{S} \mu$ to $\mathrm{S} \alpha$ | none | none | S $\gamma, \mathrm{S} \alpha$ |
| SUDHL-4 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | $\mathrm{S} \gamma$ | none | S $\gamma$ |
| SUDHL-6 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | none | none | $\mathrm{S} \mu, \mathrm{S} \gamma$ |
| RCK8 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | S $\gamma, \mathrm{S} \alpha$ | S $\gamma, \mathrm{S} \alpha$ | none |
| Farage | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | none | none | none |
| NUDUL-1 | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | $\mathrm{S} \mu, \mathrm{S} \alpha$ | S $\gamma$ | S $\alpha$ |
| HS445 | GCB | none | none | none | none |
| Toledo | GCB | $\mathrm{S} \mu$ to $\mathrm{S} \gamma$ | S $\gamma$ | none | S $\alpha$ |

Table S2. Analysis of class switch recombination by Southern blot in DLBCL and MALT patient samples

## ABC DLBCL cases

$n=50$
Germ line: 4

| Legitimate switch recombination: 15 | Legitimate only: 1 <br> Legitimate + deletion/recombination: 7 <br> Legitimate + deletion/recombination + illegitimate: 6 <br> Legitimate + illegitimate + inversion: 1 <br> $S \mu$ to $S \gamma: 8$ <br> $S \mu$ to $S \alpha: 5$ <br> $S \mu$ to $S \gamma / S \mu$ to $S \alpha: 1$ <br> S $\gamma$ to $\mathrm{S} \alpha$ : 1 |
| :---: | :---: |
| Illegitimate switch recombination: 28 | Illegitimate only: 4 <br> Illegitimate + deletion/recombination: 13 <br> Illegitimate + legitimate + deletion/recombination: 6 <br> Illegitimate + inversion + deletion/recombination: 4 <br> Illegitimate + inversion + legitimate: 1 |
| Inversion switch recombination: 6 | ```Inversion + legitimate + illegitimate: 1 Inversion + deletion/recombination: 1 Inversion + illegitimate + deletion/recombination: 4``` |
| Intra-switch deletion/recombination: 40 | Deletion/recombination only: 9 <br> Deletion/recombination + legitimate: 7 <br> Deletion/recombination + illegitimate: 13 <br> Deletion/recombination + legitimate + illegitimate: 6 <br> Deletion/recombination + inversion: 1 <br> Deletion/recombination + inversion + illegitimate: 4 <br> S $\mu$ : 24 <br> S $\boldsymbol{\gamma}$ : 32 <br> $\mathrm{S} \alpha: 13$ |
| GCB DLBCL cases $\mathrm{n}=31$ <br> Germ line: 4 |  |
| Legitimate switch recombination: 18 | Legitimate only: 8 <br> Legitimate + illegitimate: 2 <br> Legitimate + deletion/recombination: 7 <br> Legitimate + deletion/recombination + illegitimate: 1 <br> $\mathrm{S} \mu$ to $\mathrm{S} \gamma: 15$ <br> S $\mu$ to $\mathrm{S} \alpha$ : 3 |
| Illegitimate switch recombination: 10 | Illegitimate only: 0 <br> Illegitimate + legitimate: 2 <br> Illegitimate + deletion/recombination: 7 <br> Illegitimate + legitimate + deletion/recombination: 1 |

Inversion switch recombination: 0

Intra-switch deletion/recombination: 17

## PMBL cases

$\mathrm{n}=11$
Germ line: 1
Legitimate switch recombination: 7

Illegitimate switch recombination: 5

Inversion switch recombination: 3

Intra-switch deletion/recombination: 7

Deletion/recombination only: 2
Deletion/recombination + legitimate: 7
Deletion/recombination + illegitimate: 7
Deletion/recombination + legitimate + illegitimate: 1
S $\mu$ : 4
S $\gamma$ : 9
Sa: 13

Legitimate only: 0
Legitimate + illegitimate: 2
Legitimate + deletion/recombination: 4
Legitimate + deletion/recombination + illegitimate: 1
$S \mu$ to $S \gamma: 2$
$S \mu$ to $S \alpha: 5$

Illegitimate only: 0
Illegitimate + legitimate: 2
Illegitimate + legitimate + deletion/recombination: 1
Illegitimate + inversion: 1
Illegitimate + inversion + deletion/recombination: 1
Inversion + illegitimate: 1
Inversion + deletion/recombination: 1
Inversion + illegitimate + deletion/recombination: 1

Deletion/recombination only: 0
Deletion/recombination + legitimate: 4
Deletion/recombination + legitimate + illegitimate: 1
Deletion/recombination + inversion: 1
Deletion/recombination + inversion + illegitimate: 1
S $\mu$ : 0
S $\gamma: 4$
Sa: 6

Legitimate only: 0
Legitimate + illegitimate: 1
Legitimate + deletion/recombination: 5
$S \mu$ to $S \gamma: 5$
$S \mu$ to $S \alpha: 1$

| Illegitimate switch recombination: 5 | Illegitimate only: 2 |
| :--- | :--- |
|  | Illegitimate + legitimate: 1 |
|  | Illegitimate + deletion/recombination: 1 |
|  | Illegitimate + inversion: 1 |
| Inversion switch recombination: 1 | Inversion + illegitimate: 1 |
|  |  |
| Intra-switch deletion/recombination: 9 | Deletion/recombination only: 3 |
|  | Deletion/recombination + legitimate: 5 |
|  | Deletion/recombination + illegitimate: 1 |
|  | $\mathrm{~S} \mu: 0$ |
|  | $\mathrm{~S} \gamma: 5$ |
|  | $\mathrm{~S} \alpha: 4$ |

