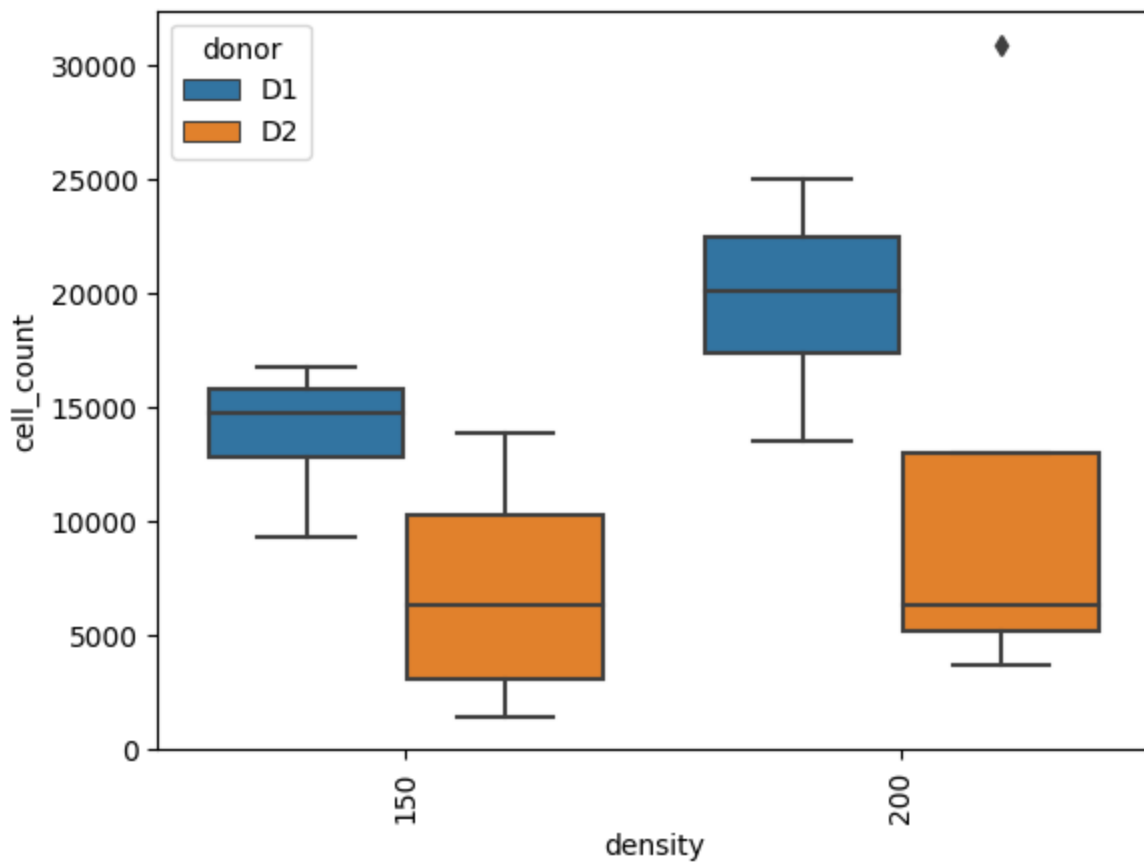
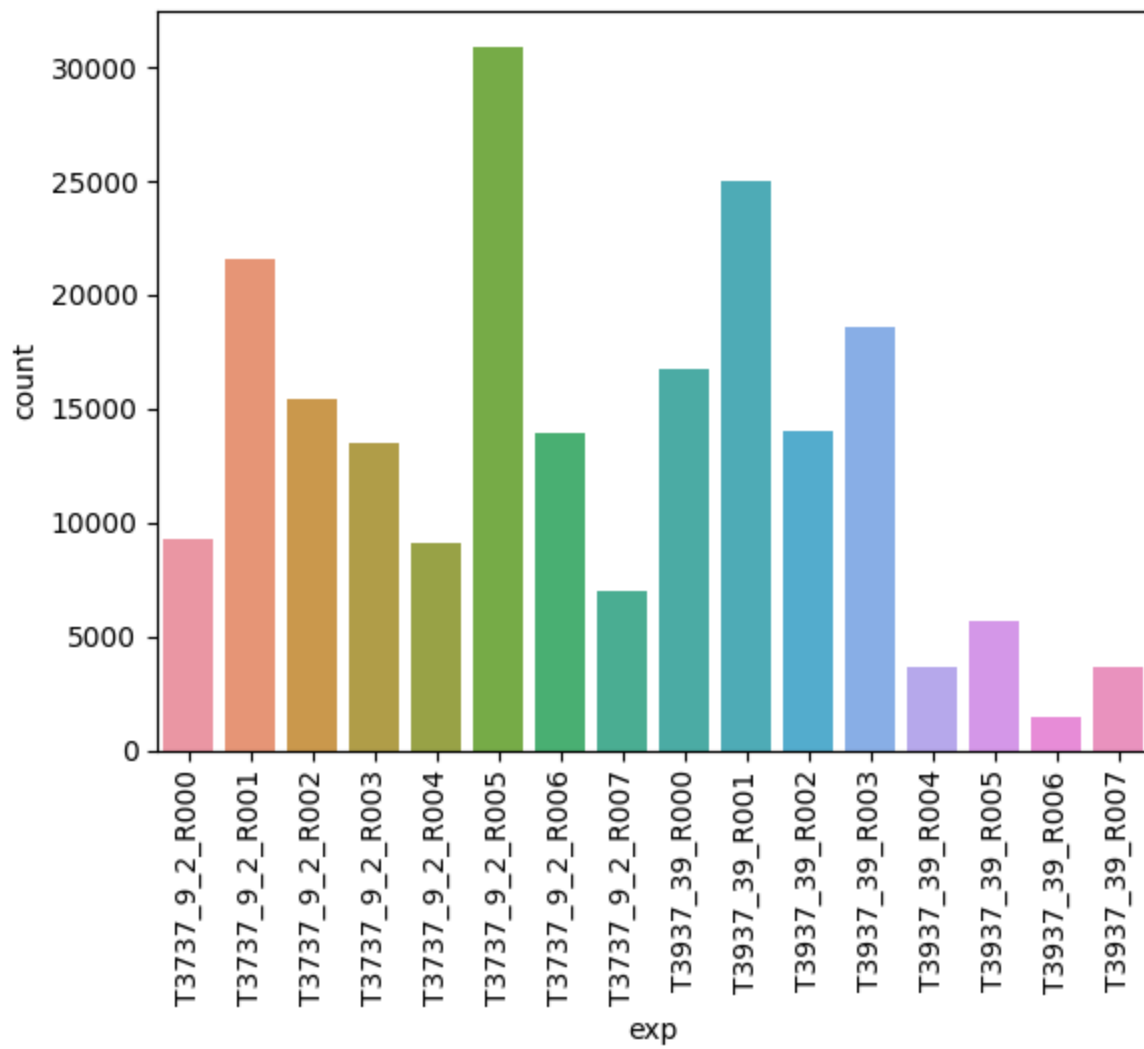


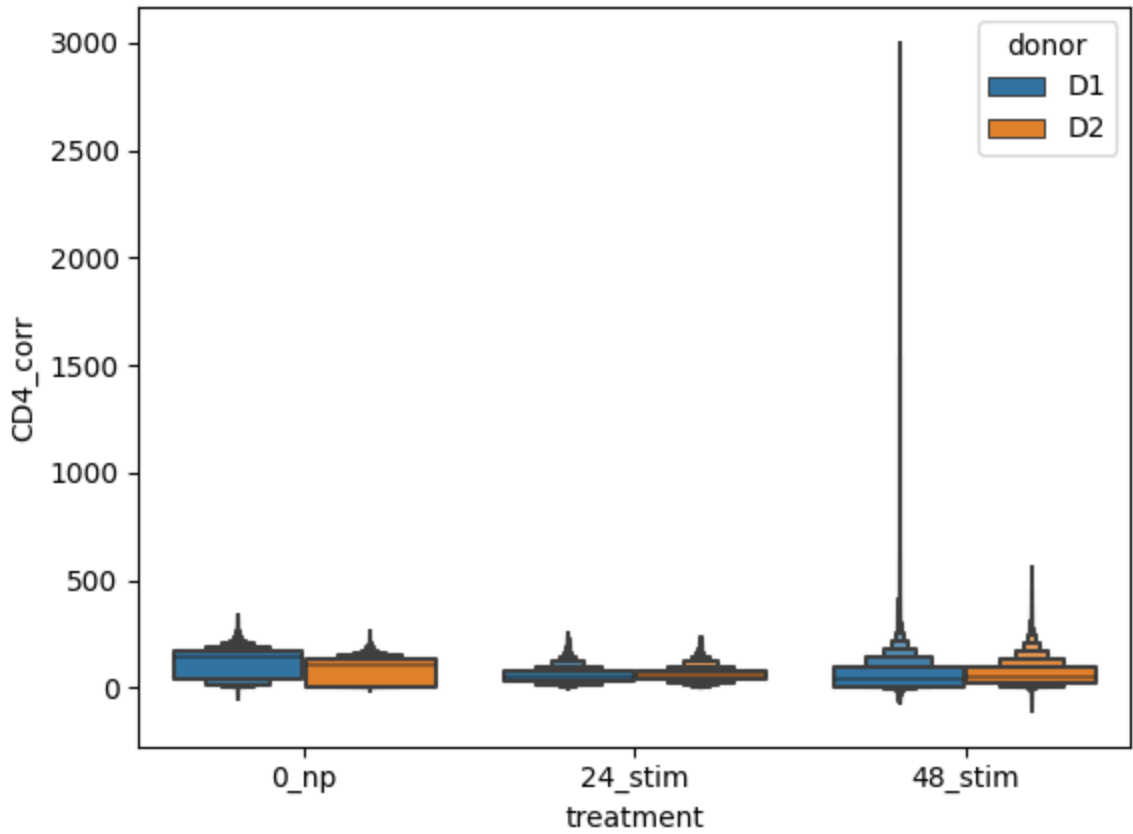
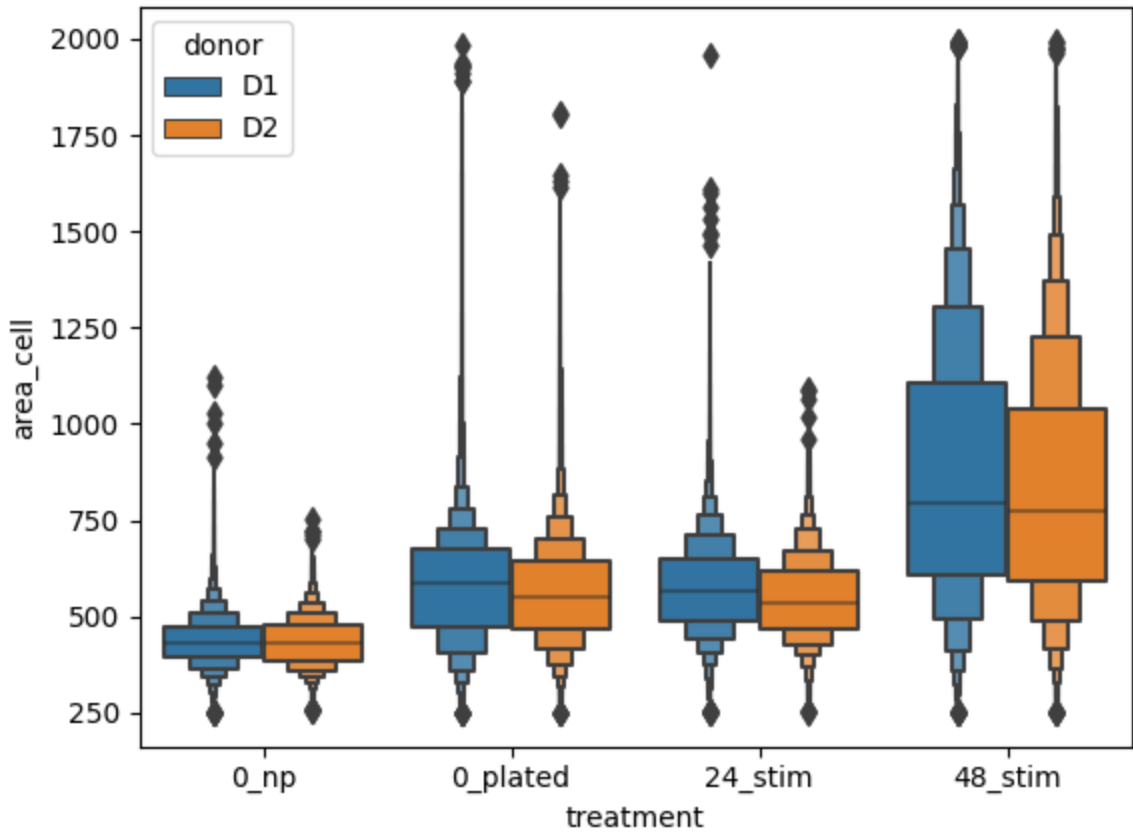
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'T3937_39_R007.pk1']

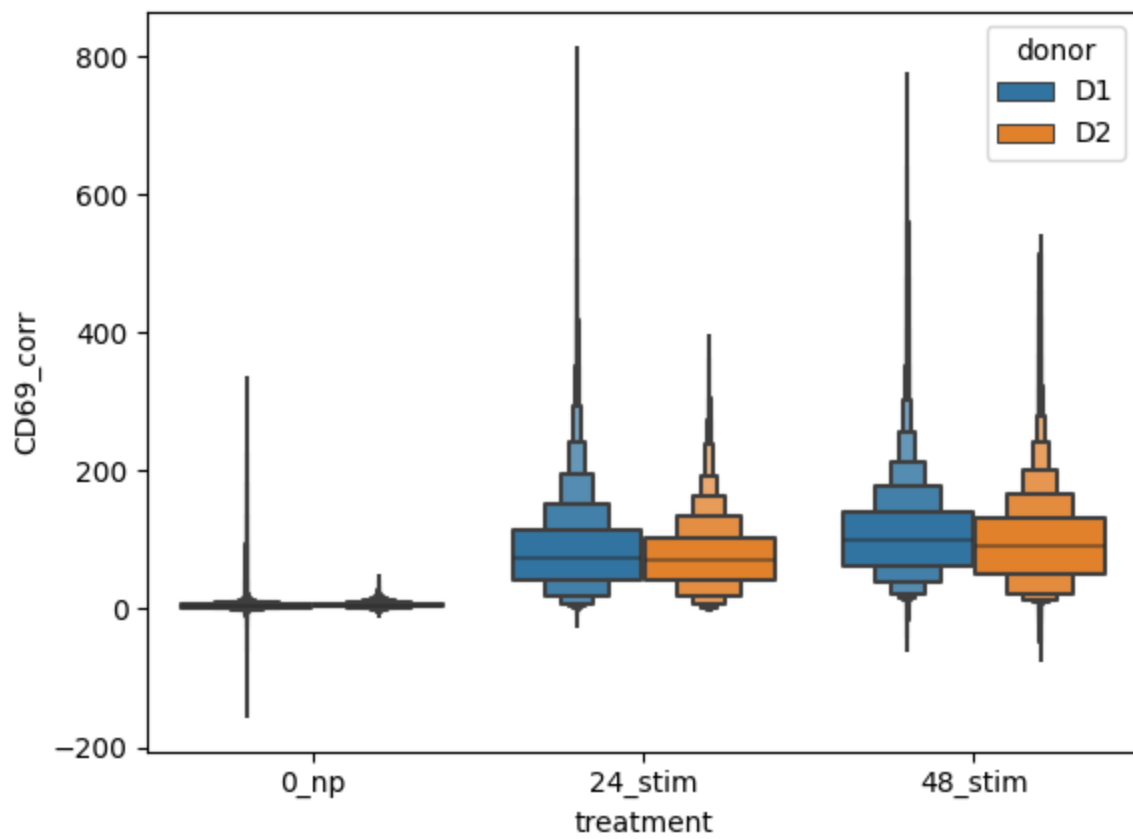
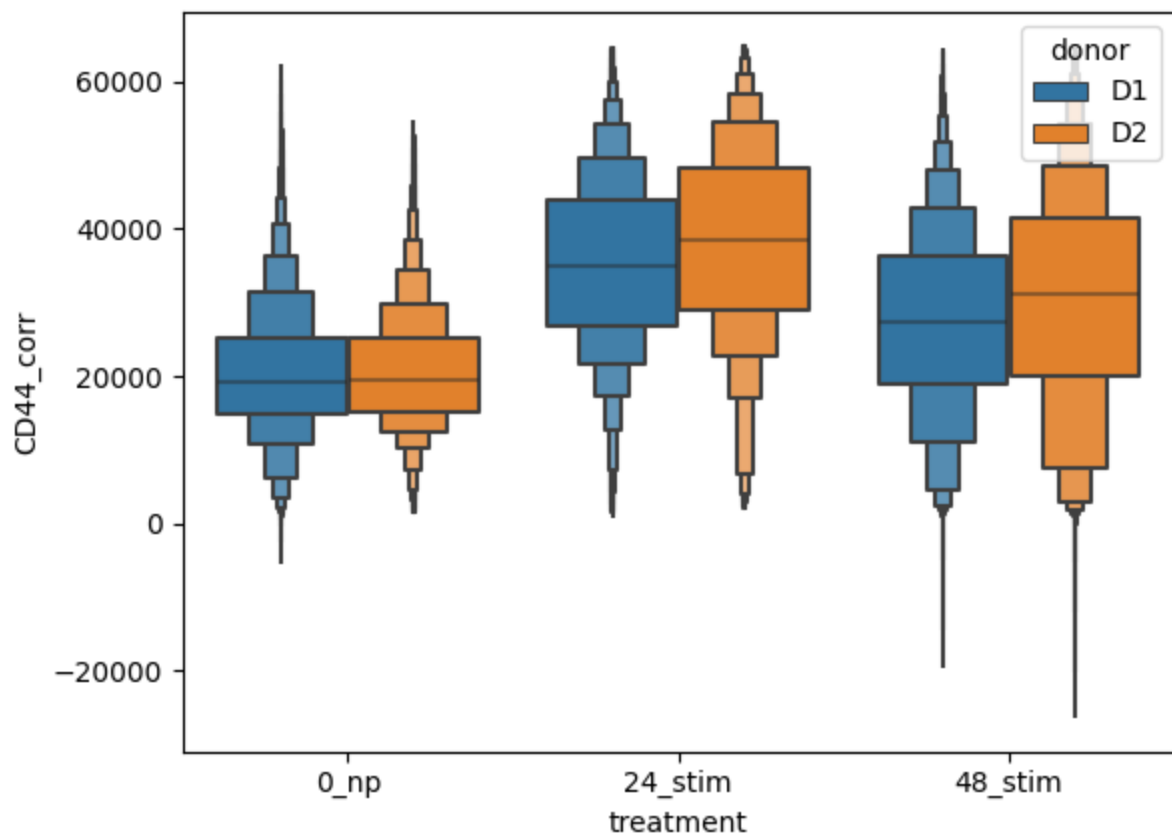
| | label | centroid-0_nuc | centroid-1_nuc | bbox-0_nuc | bbox-1_nuc | bbox-2_nuc | bbox-3_nuc | area_nuc | solidity_nuc | eccentricity_nuc | ... | pERK_m |
|--------|-------|----------------|----------------|------------|------------|------------|------------|----------|--------------|------------------|-----|--------|
| 0 | 1 | 19.985955 | 3476.112360 | 12 | 3465 | 30 | 3488 | 356 | 0.975342 | 0.621390 | ... | 93 |
| 1 | 2 | 46.857494 | 5033.238329 | 35 | 5023 | 59 | 5045 | 407 | 0.971360 | 0.425294 | ... | 92 |
| 2 | 3 | 49.582150 | 2576.612576 | 37 | 2565 | 64 | 2589 | 493 | 0.970472 | 0.553273 | ... | 96 |
| 3 | 4 | 50.683215 | 2789.174941 | 40 | 2777 | 63 | 2802 | 423 | 0.961364 | 0.379106 | ... | 94 |
| 4 | 5 | 52.881481 | 2551.365432 | 42 | 2540 | 65 | 2563 | 405 | 0.966587 | 0.220320 | ... | 95 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 209567 | 3654 | 16739.527108 | 12331.358434 | 16730 | 12322 | 16751 | 12342 | 332 | 0.956772 | 0.422338 | ... | 99 |
| 209568 | 3655 | 16751.907303 | 1682.120787 | 16742 | 1671 | 16763 | 1694 | 356 | 0.959569 | 0.500950 | ... | 98 |
| 209569 | 3656 | 16752.072414 | 11371.106897 | 16743 | 11362 | 16763 | 11381 | 290 | 0.963455 | 0.520576 | ... | 99 |
| 209570 | 3657 | 16758.314189 | 5230.631757 | 16748 | 5222 | 16769 | 5241 | 296 | 0.951768 | 0.541446 | ... | 99 |
| 209571 | 3658 | 16784.271242 | 21367.924837 | 16775 | 21357 | 16794 | 21379 | 306 | 0.962264 | 0.505210 | ... | 96 |

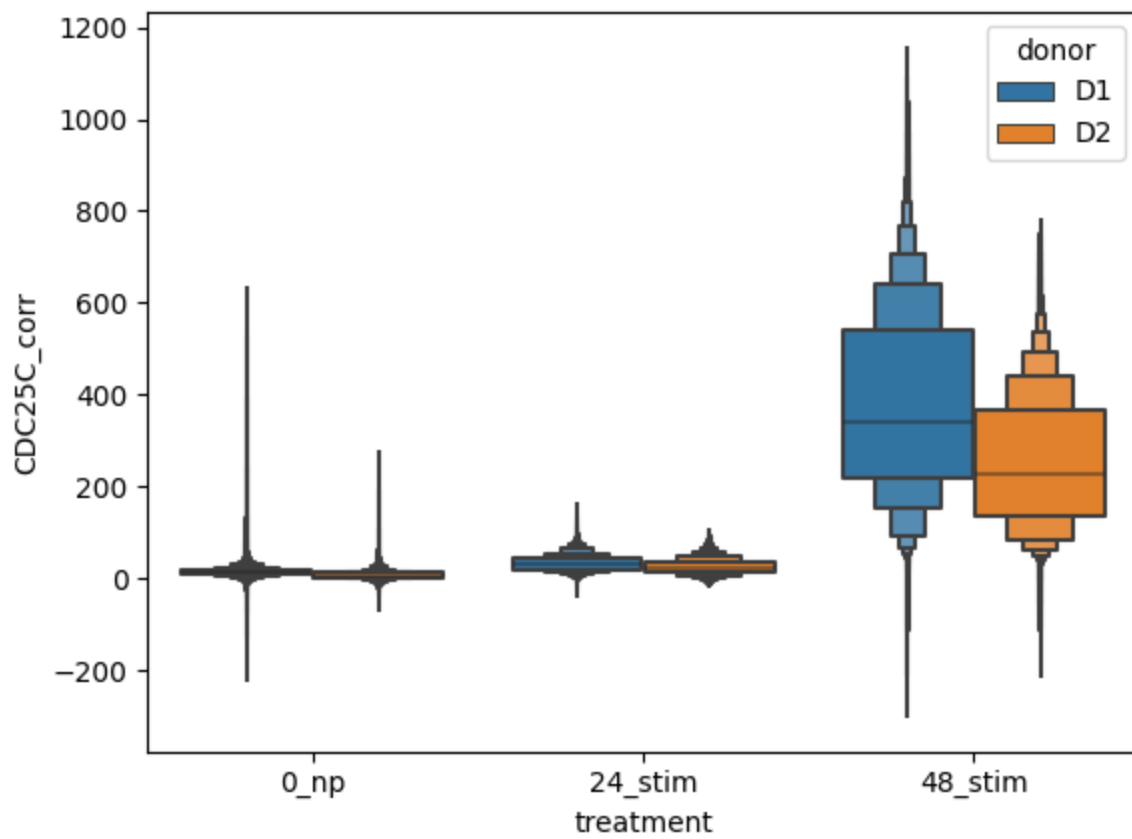
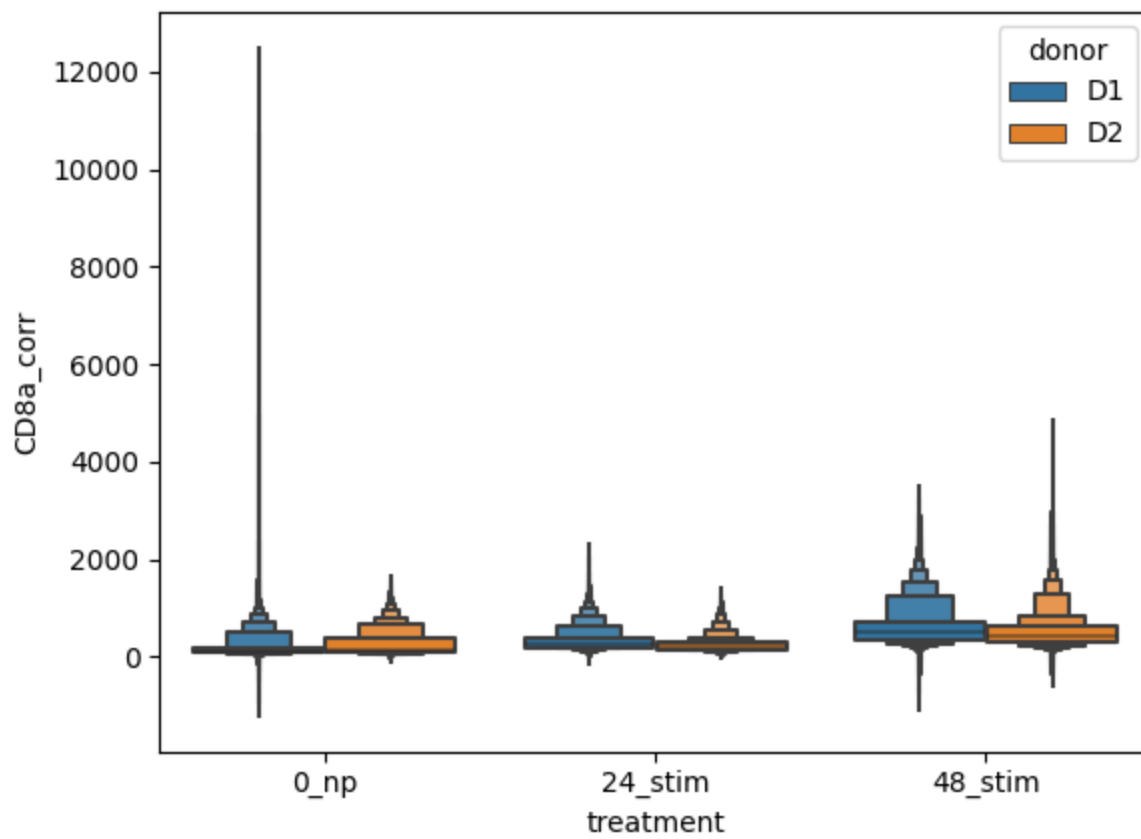
209572 rows × 108 columns

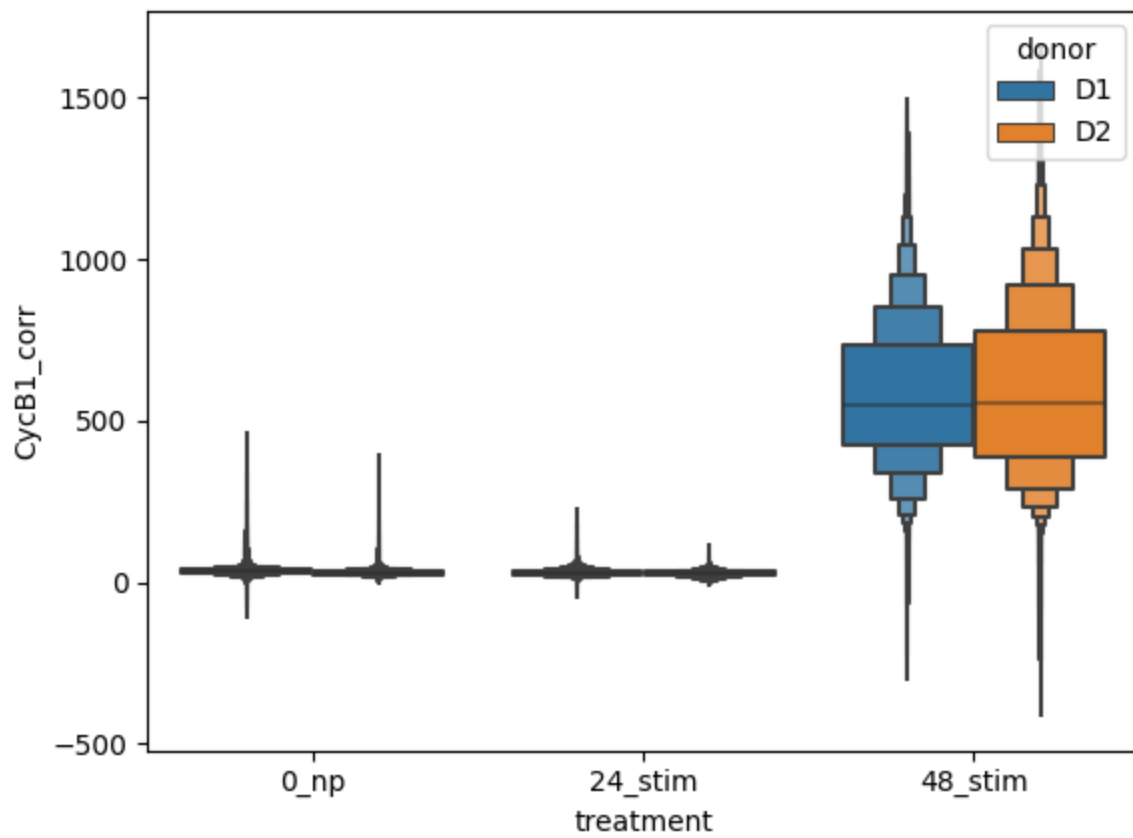
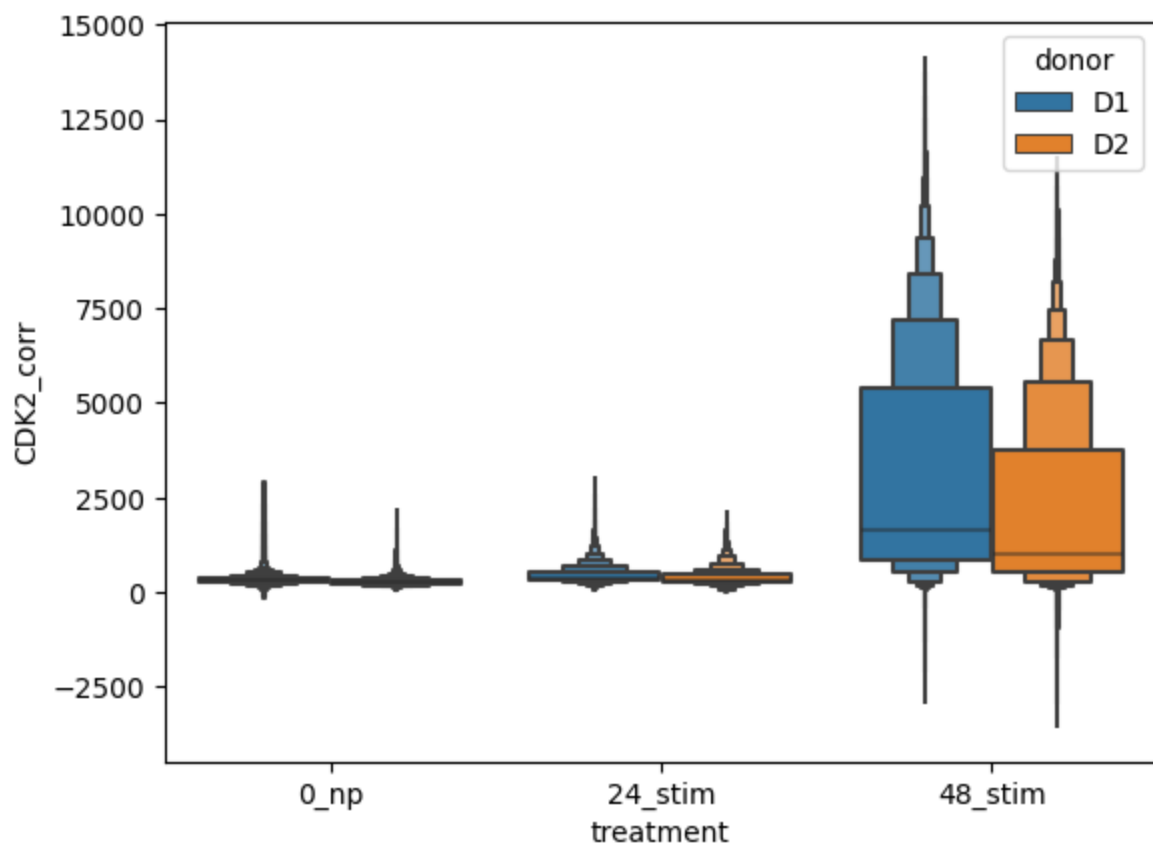


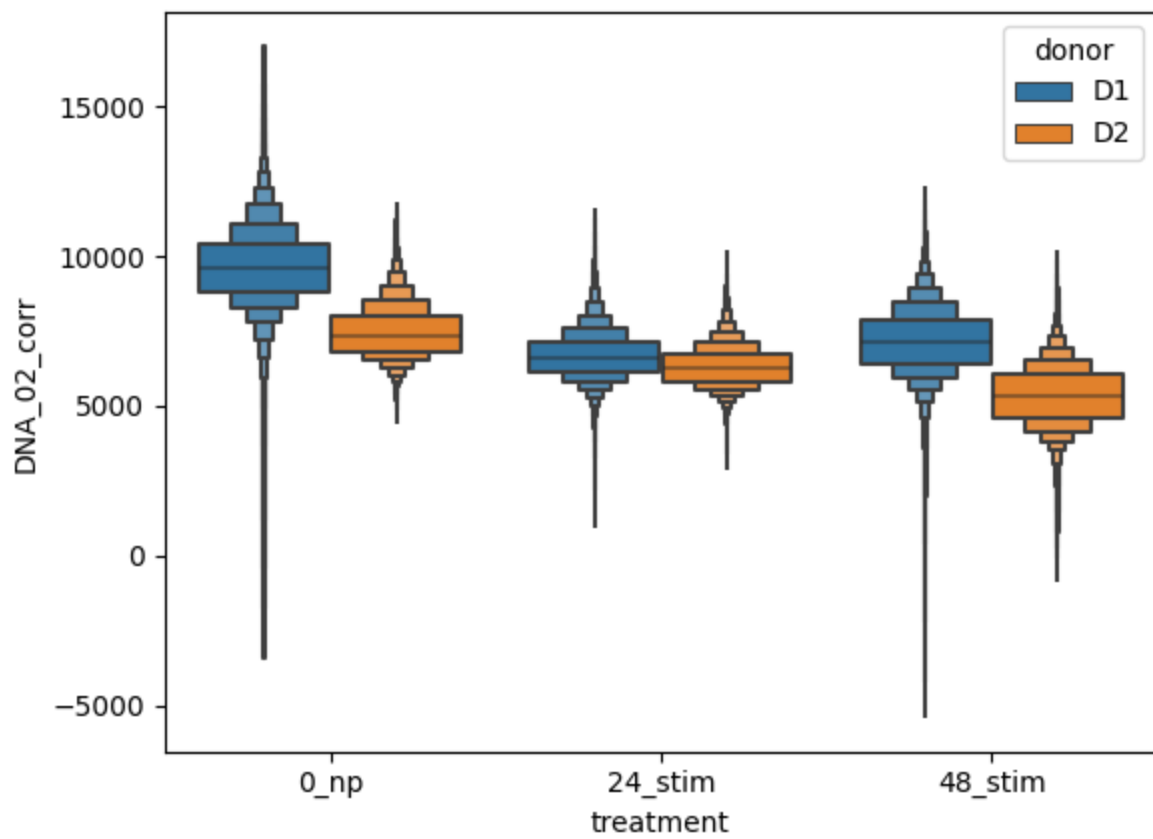
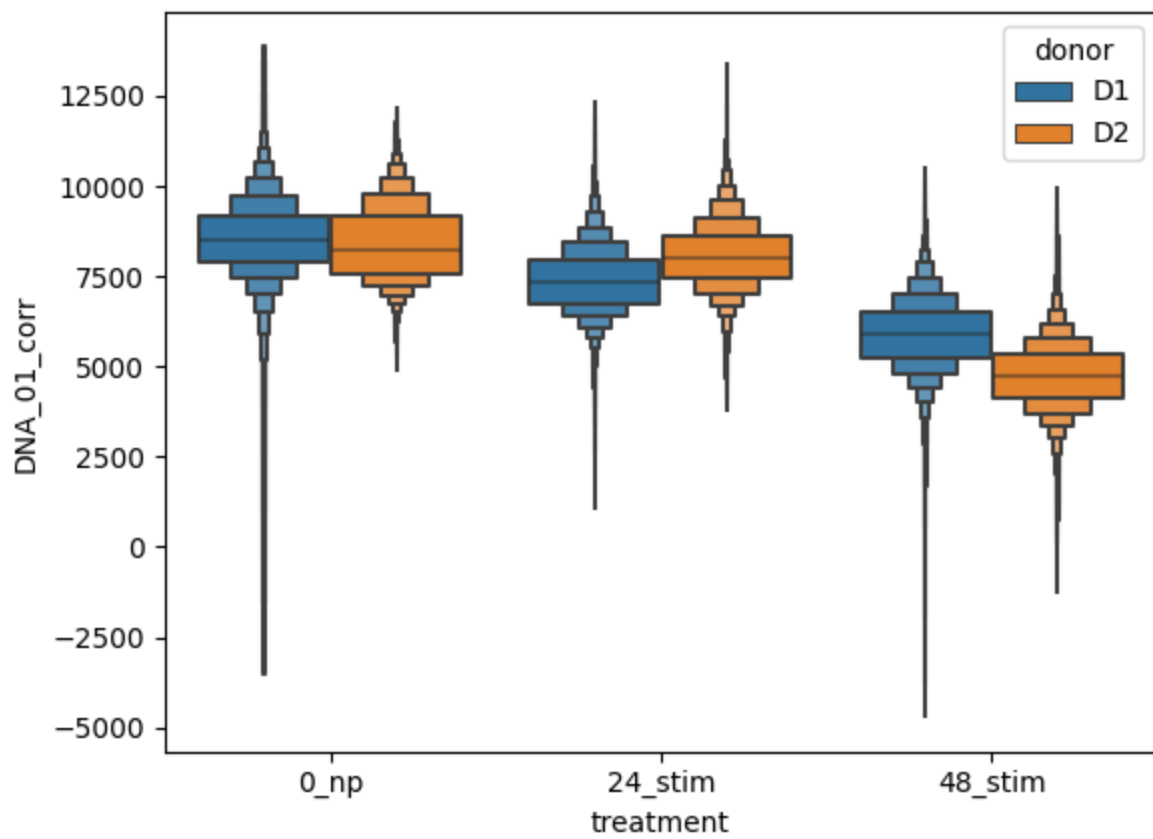
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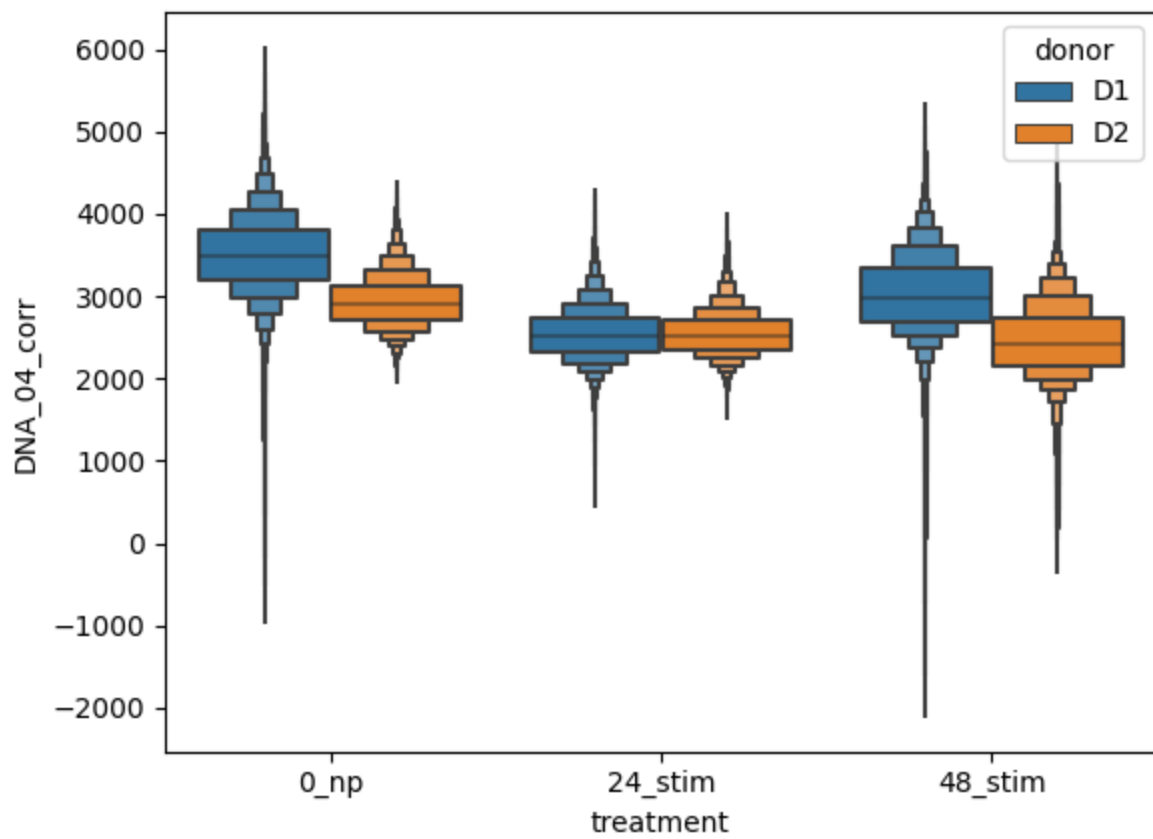
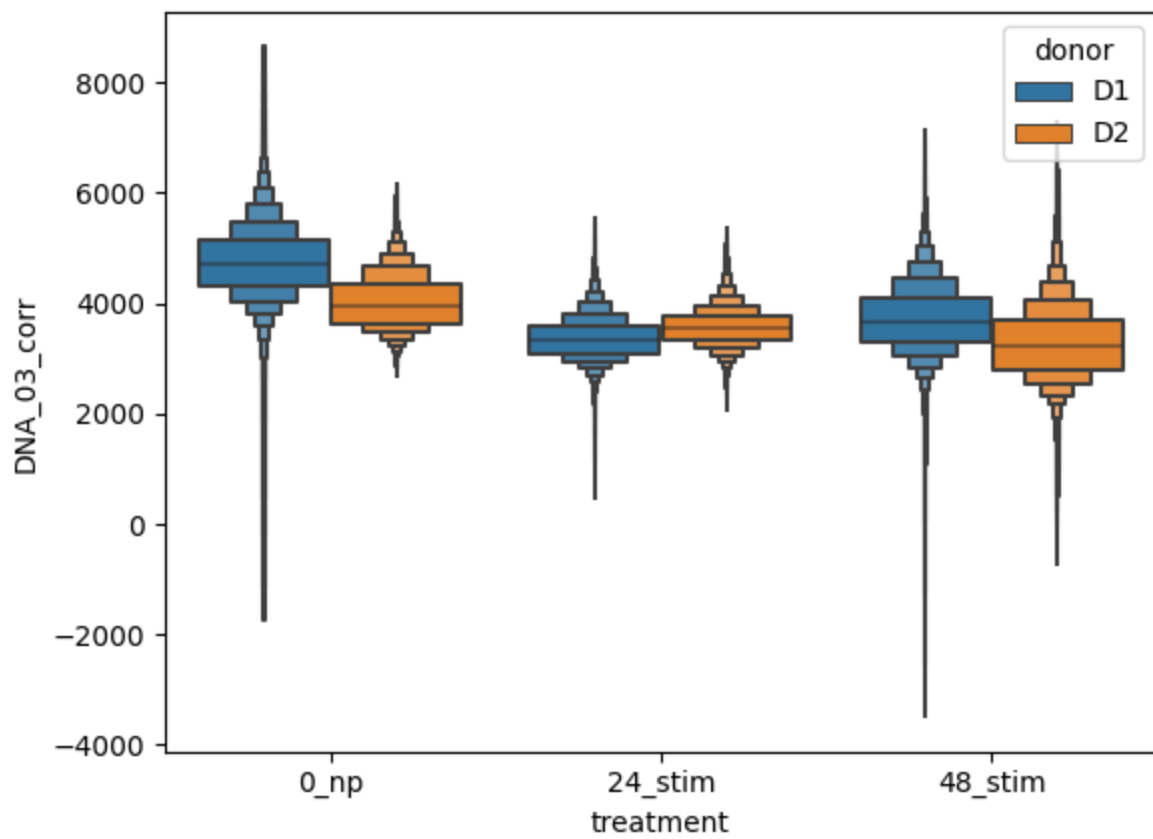


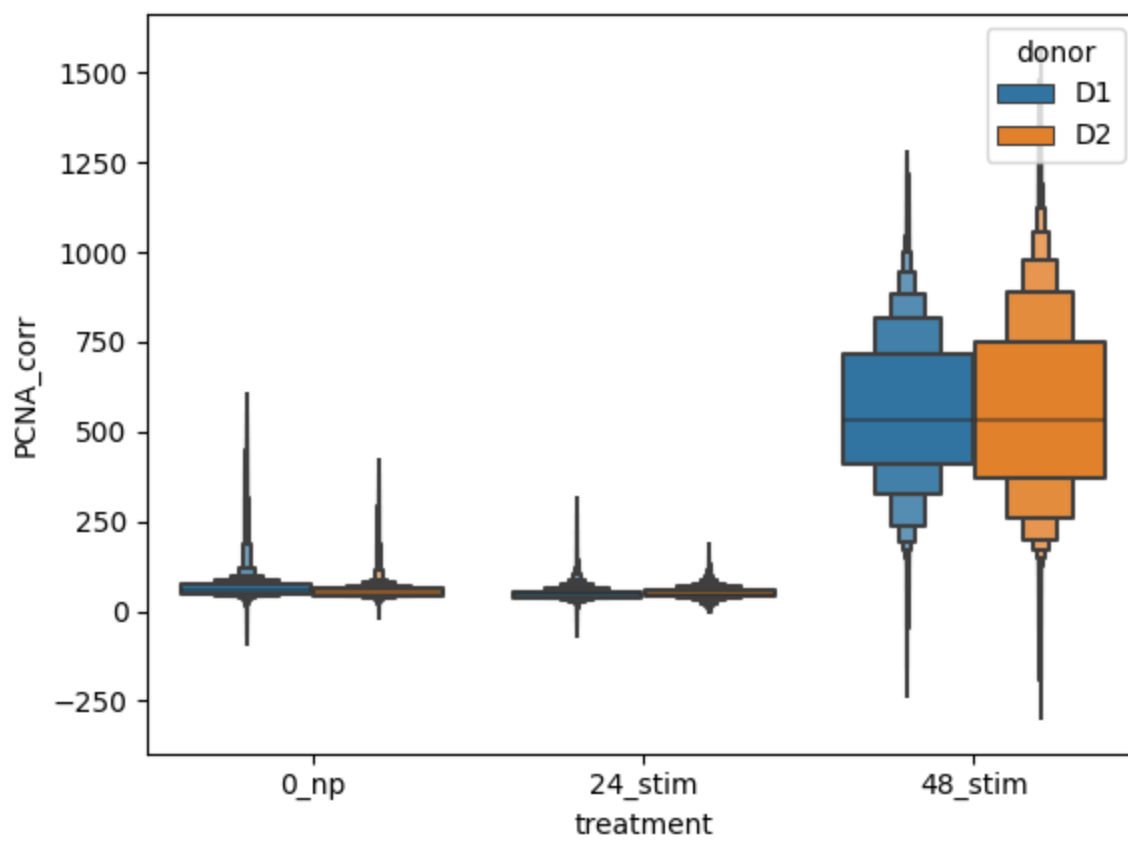
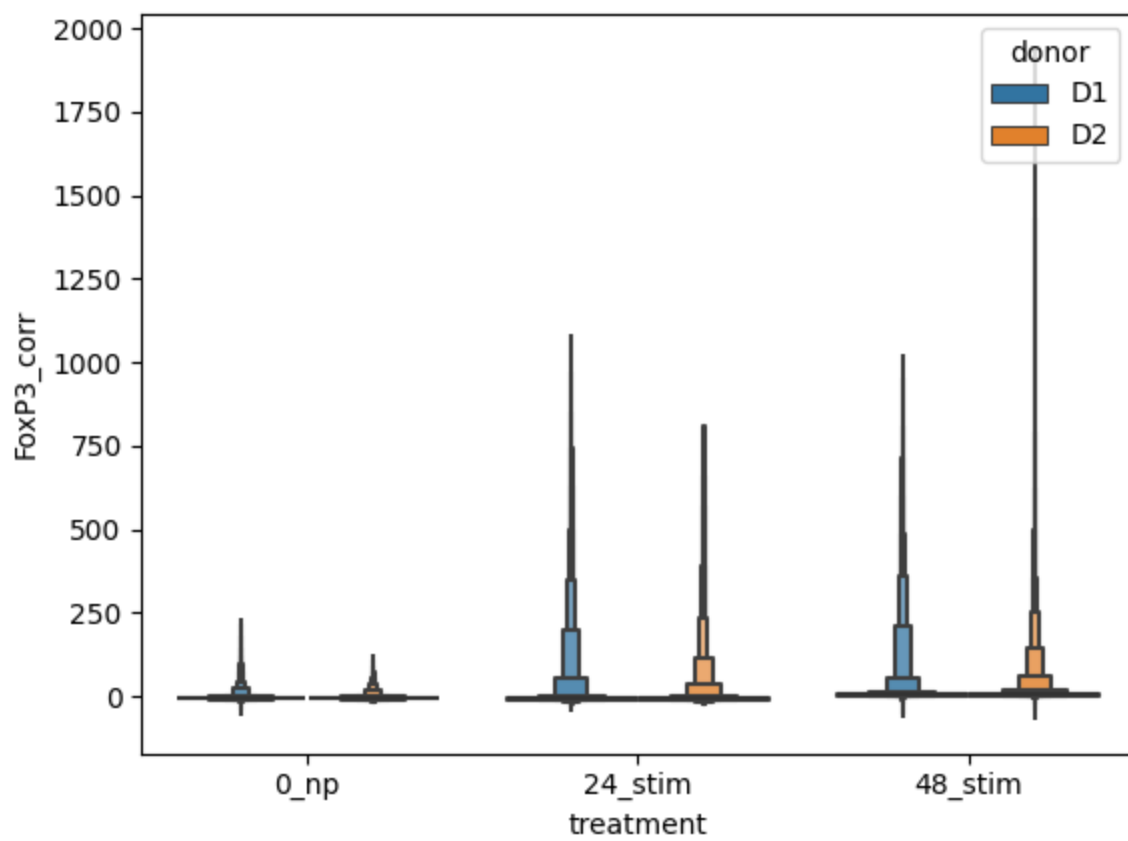


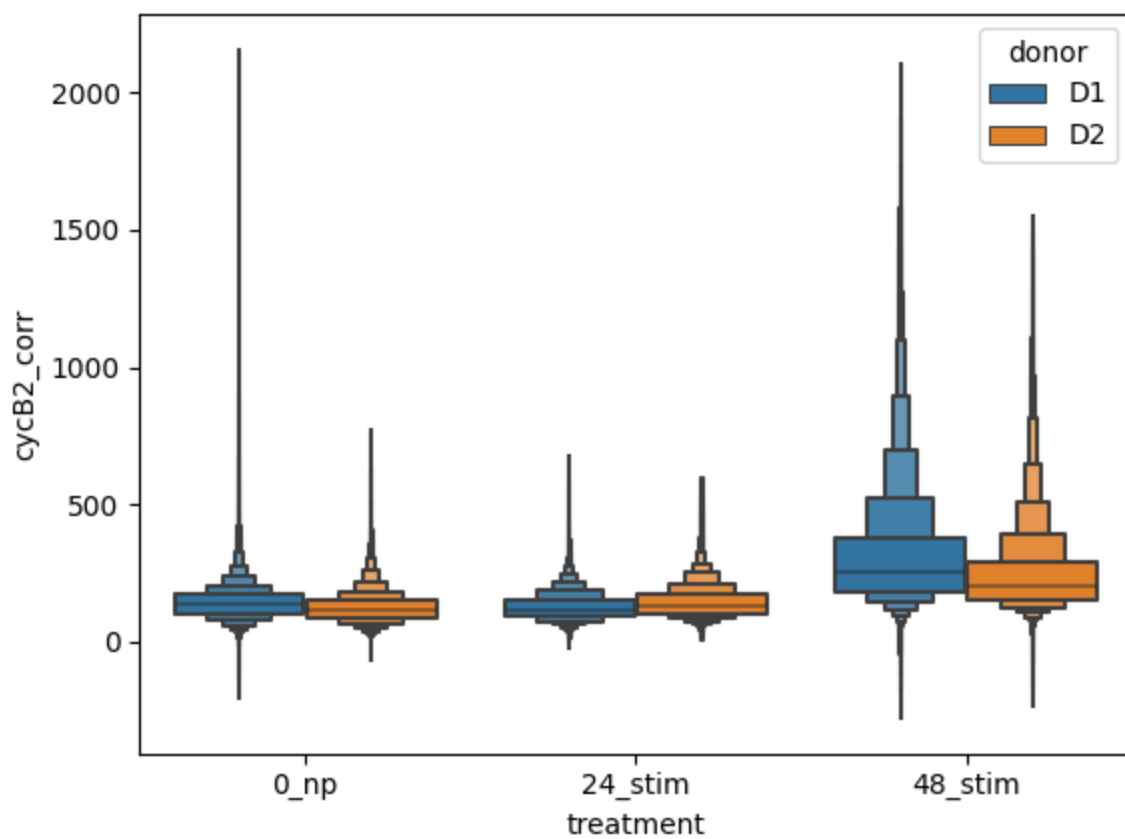
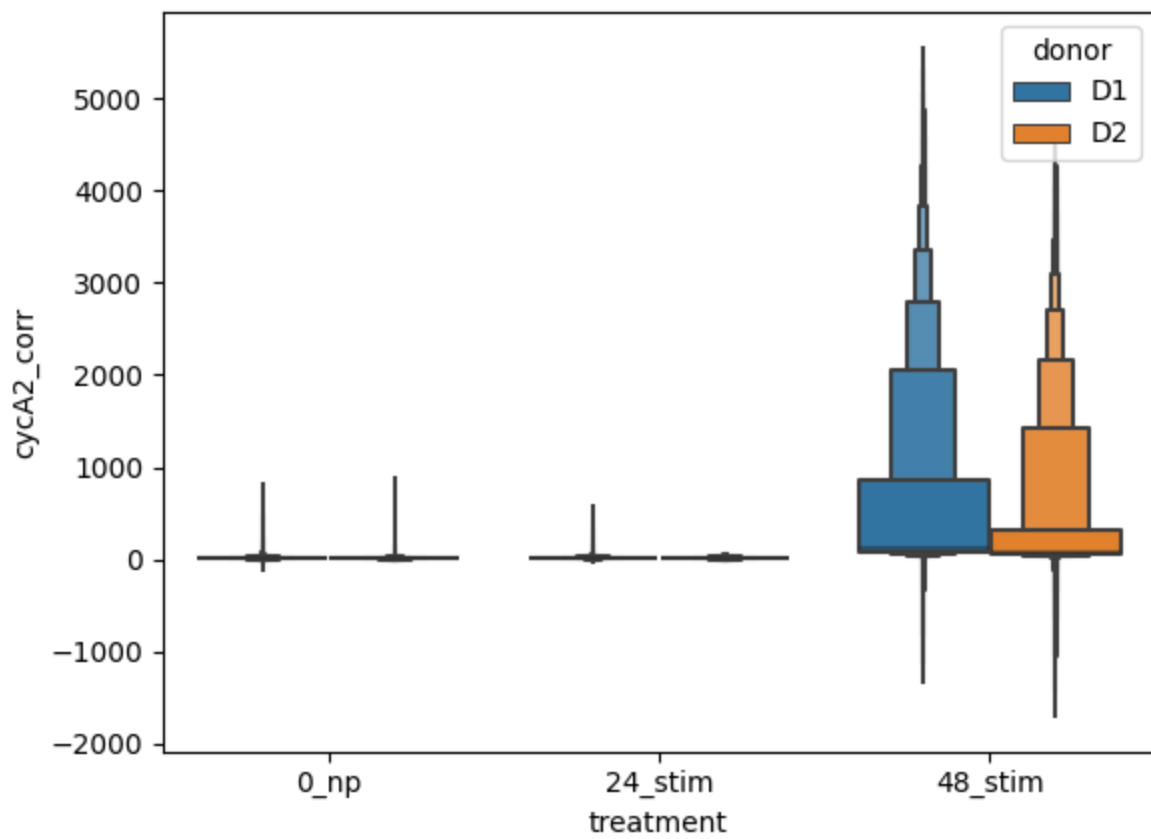


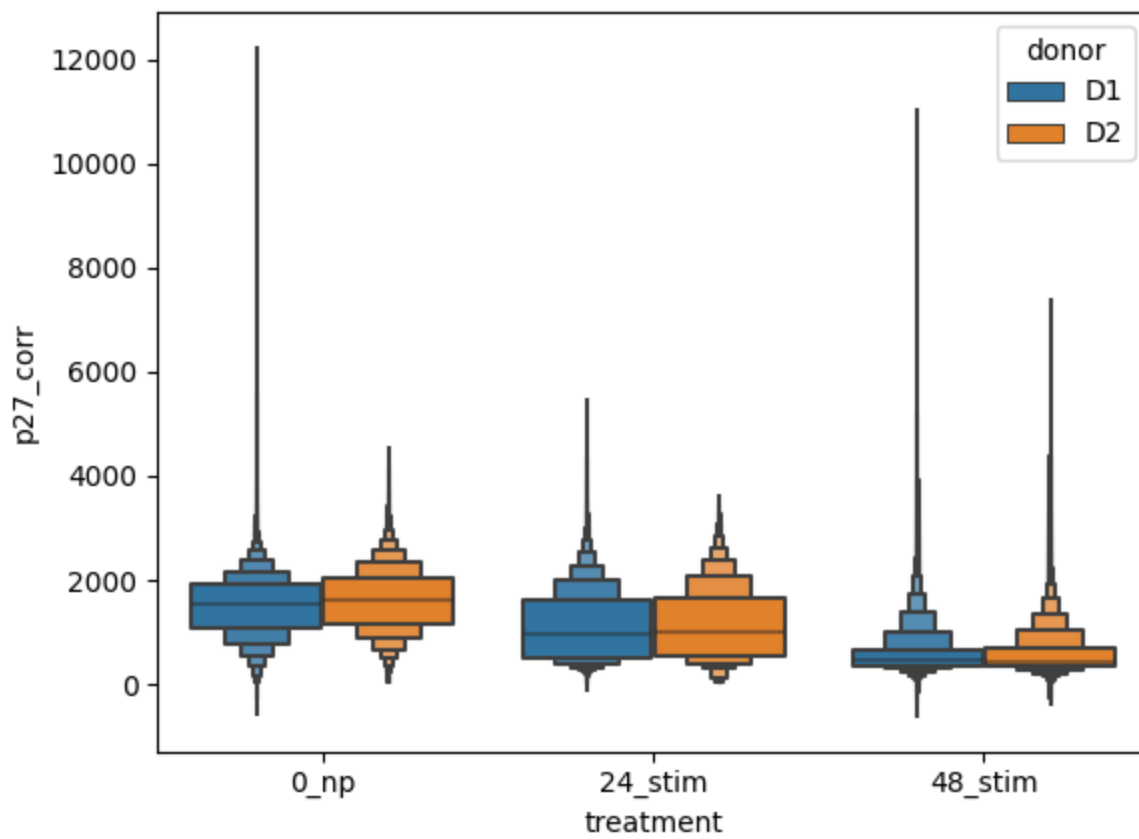
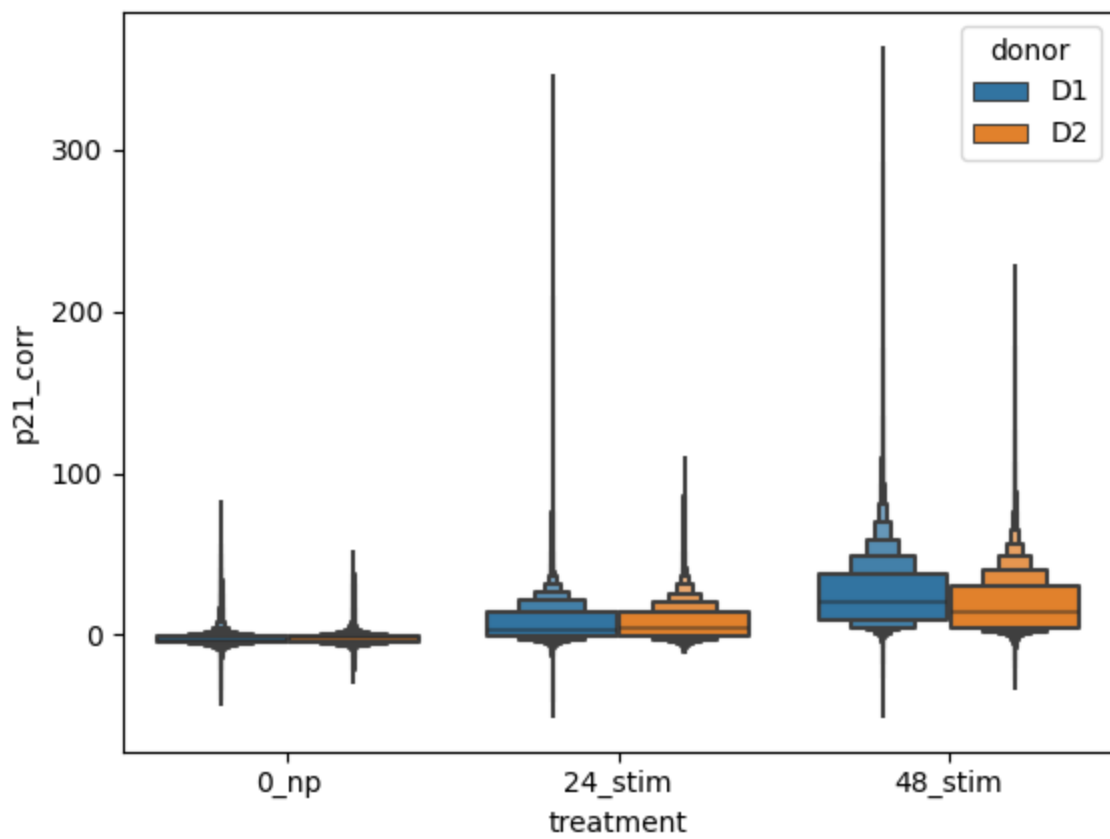


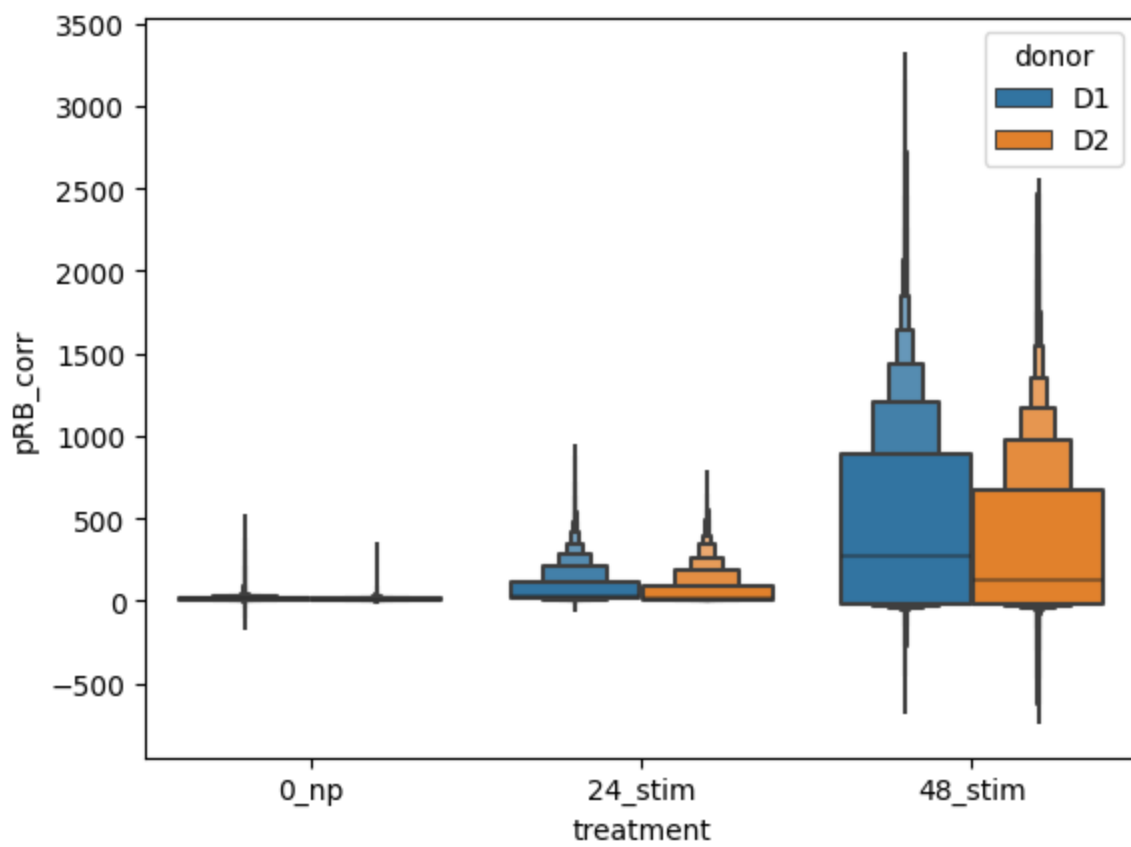
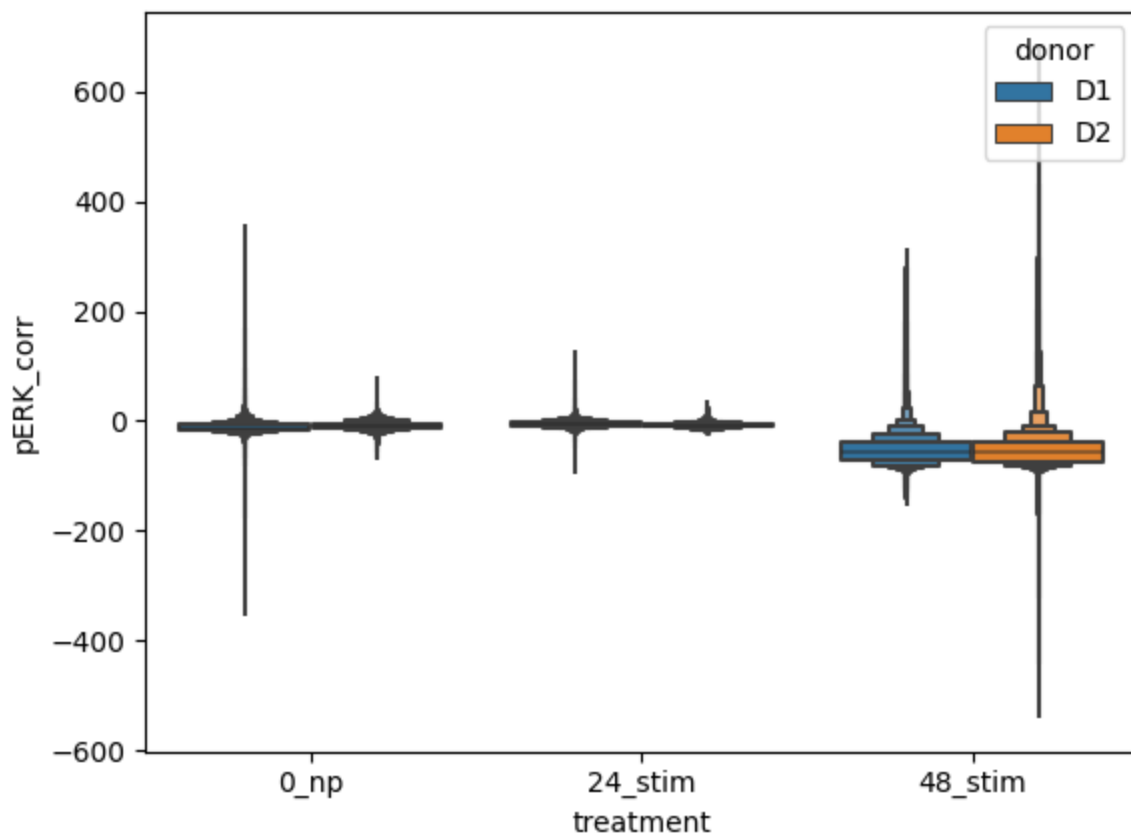


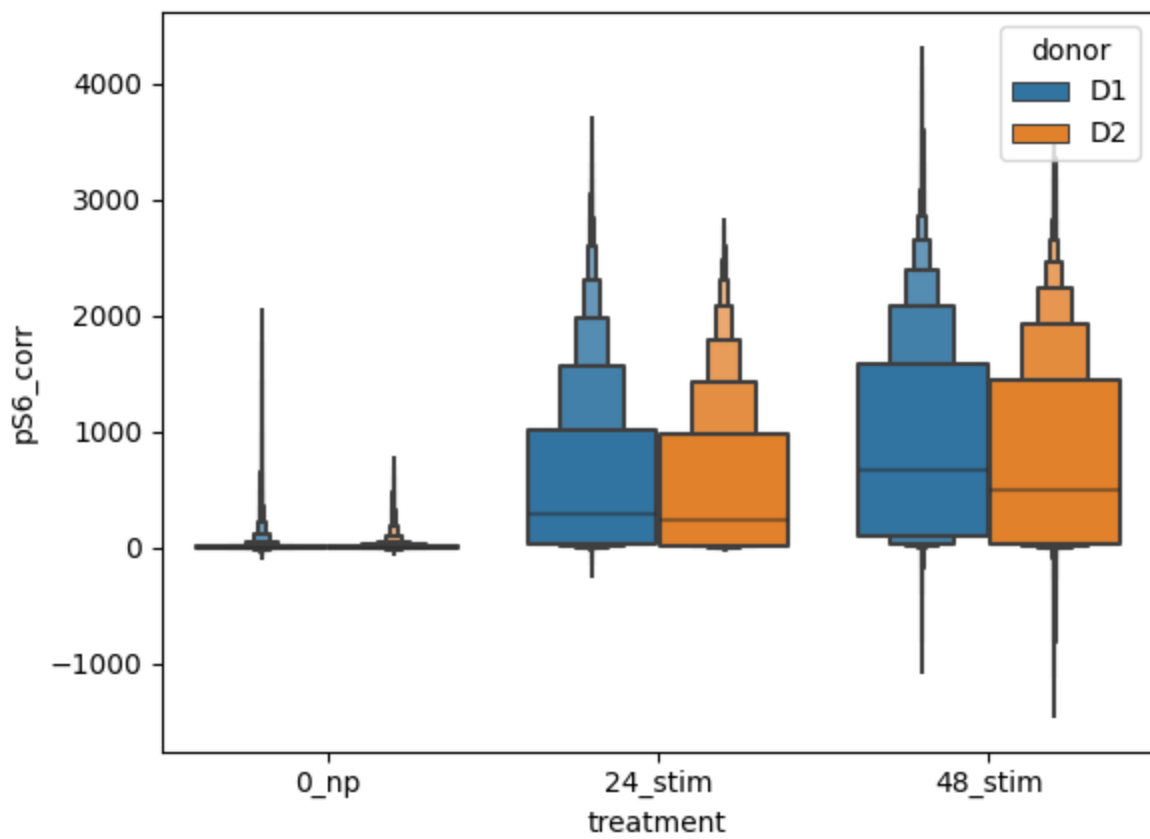






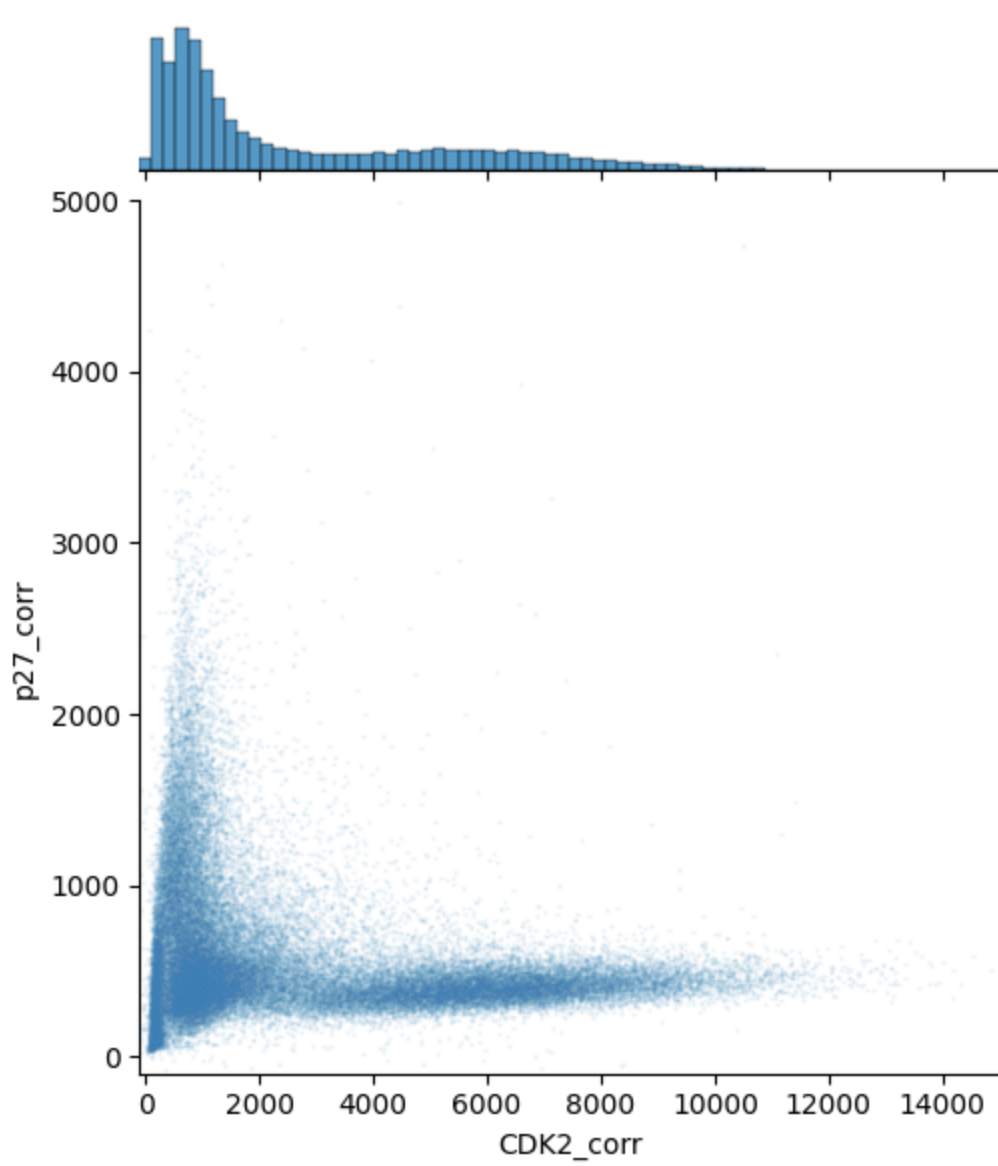




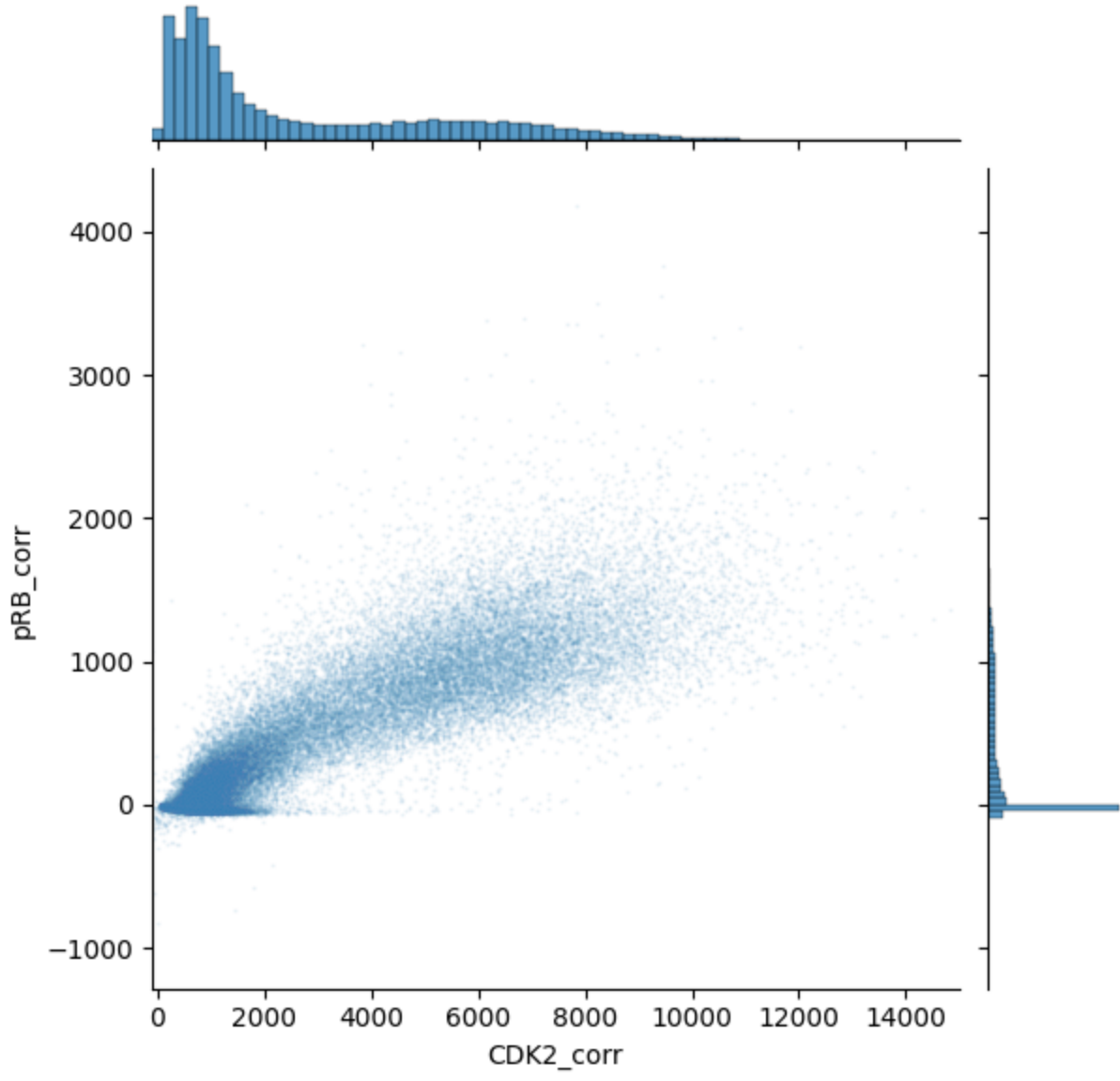


```
[NbConvertApp] Converting notebook 05_quantify_experiment.ipynb to webpdf
[NbConvertApp] Building PDF
[NbConvertApp] PDF successfully created
[NbConvertApp] Writing 476436 bytes to 05_quantify_experiment.pdf
```

(-100.0, 5000.0)



(-100.0, 15000.0)



AttributeError

Traceback (most recent call last)

Cell In [112], line 1

```
----> 1 sns.jointplot(data=df.loc[((df.treatment=='24_stim') | (df.treatment=='0_np') | (df.treatment=='48_stim'))],x='CDK2_corr',y='p27_corr',alpha=0.1,s=2,hue='treatment',order=['0_np','24_stim','48_stim'])
      2 plt.xlim([-100,15000])
      3 plt.ylim([-100,5000])
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\seaborn\axisgrid.py:2255`, in `jointplot(data, x, y, hue, kind, height, ratio, space, dropna, xlim, ylim, color, palette, hue_order, hue_norm, marginal_ticks, joint_kws, marginal_kws, **kwargs)`

```
2252 if kind.startswith("scatter"):
2254     joint_kws.setdefault("color", color)
-> 2255     grid.plot_joint(scatterplot, **joint_kws)
2257     if grid.hue is None:
2258         marg_func = histplot
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\seaborn\axisgrid.py:1826`, in `JointGrid.plot_joint(self, func, **kwargs)`

```
1823     self._inject_kwargs(func, kwargs, self._hue_params)
1825     if str(func.__module__).startswith("seaborn"):
-> 1826         func(x=self.x, y=self.y, **kwargs)
1827 else:
1828     func(self.x, self.y, **kwargs)
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\seaborn\relational.py:761`, in `scatterplot(data, x, y, hue, size, style, palette, hue_order, hue_norm, sizes, size_order, size_norm, markers, style_order, legend, ax, **kwargs)`

```
758 color = kwargs.pop("color", None)
759 kwargs["color"] = _default_color(ax.scatter, hue, color, kwargs)
-> 761 p.plot(ax, kwargs)
763 return ax
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\seaborn\relational.py:573`, in `_ScatterPlotter.plot(self, ax, kws)`

```
570     kws.setdefault("edgecolor", "w")
572     # Draw the scatter plot
-> 573 points = ax.scatter(x=x, y=y, **kws)
575     # Apply the mapping from semantic variables to artist attributes
577     if "hue" in self.variables:
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\matplotlib__init__.py:1423`, in `_preprocess_data.<locals>.inner(ax, data, *args, **kwargs)`

```
1420 @functools.wraps(func)
1421 def inner(ax, *args, data=None, **kwargs):
1422     if data is None:
-> 1423         return func(ax, *map(sanitize_sequence, args), **kwargs)
1425     bound = new_sig.bind(ax, *args, **kwargs)
1426     auto_label = (bound.arguments.get(label_namer)
1427                  or bound.kwargs.get(label_namer))
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\matplotlib\axes_axes.py:4634`, in `Axes.scatter(self, x, y, s, c, marker, cmap, norm, vmin, vmax, alpha, linewidths, edgecolors, plotnonfinite, **kwargs)`

```
4630         keys_str = ", ".join(f"'{k}'" for k in extra_keys)
4631         _api.warn_external(
4632             "No data for colormapping provided via 'c'. "
4633             f"Parameters {keys_str} will be ignored")
-> 4634 collection._internal_update(kwargs)
4636 # Classic mode only:
4637 # ensure there are margins to allow for the
```



```
4638 # finite size of the symbols. In v2.x, margins
4639 # are present by default, so we disable this
4640 # scatter-specific override.
4641 if mpl.rcParams['_internal.classic_mode']:
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\matplotlib\artist.py:1186`, in `Artist._internal_update(self, kwargs)`

```
1179 def _internal_update(self, kwargs):
1180     """
1181     Update artist properties without prenormalizing them, but generating
1182     errors as if calling `set`.
1183
1184     The lack of prenormalization is to maintain backcompatibility.
1185     """
-> 1186     return self._update_props(
1187         kwargs, "{cls.__name__}.set() got an unexpected keyword argument "
1188         "{prop_name!r}")
```

File `c:\Users\Stallab\.conda\envs\napari-env\lib\site-packages\matplotlib\artist.py:1160`, in `Artist._update_props(self, props, errfmt)`

```
1158         func = getattr(self, f"set_{k}", None)
1159         if not callable(func):
-> 1160             raise AttributeError(
1161                 errfmt.format(cls=type(self), prop_name=k))
1162         ret.append(func(v))
1163 if ret:
```

AttributeError: PathCollection.set() got an unexpected keyword argument 'order'

