TypeError: Cannot read property 'traceAtomIndex' of undefined

$v.Xv.traceAtomIndex.get
node_modules/bioblocks-viz/lib/index.js:73730

```
  73727 | }, Xv.backboneEndType.get = function () {
  73728 |   return this.residueType.backboneEndType;
  73729 | }, Xv.traceAtomIndex.get = function () {
> 73730 |   return this.residueType.traceAtomIndex + this.atomOffset;
        | ^  73731 | }, Xv.direction1AtomIndex.get = function () {
  73732 |   return this.residueType.direction1AtomIndex + this.atomOffset;
  73733 | }, Xv.direction2AtomIndex.get = function () {
```

View compiled
Yv.getAtomIndexByType
node_modules/bioblocks-viz/lib/index.js:73928

```
  73925 |
  73926 | switch (r.index = this.residueIndexStart + e, t) {
  73927 |   case "trace":
> 73928 |     n = r.traceAtomIndex;
        | ^  73929 |     break;
  73930 |
  73931 |   case "direction1":
```

View compiled
d
node_modules/bioblocks-viz/lib/index.js:79753

```
  79750 | function d(r) {
  79751 |   var a = s[o % 4];
  79752 |
> 79753 |   if (a.index = n.getAtomIndexByType(r, e), t && 0 < r && r < i && "e"
=== a.sstruc) {
        | ^  79754 |     var d = l[o % 4];
  79755 |     return u.index = n.getAtomIndexByType(r + 1, e), c.index =
n.getAtomIndexByType(r - 1, e), d.addVectors(u,
c).add(a).add(a).multiplyScalar(.25), o += 1, d;
  79756 |   }
```

View compiled
next
node_modules/bioblocks-viz/lib/index.js:79764

```
  79761 | return {
  79762 |   size: i,
  79763 |   next: function next() {
> 79764 |     var e = d(a);
        | ^  79765 |     return a += 1, e;
  79766 |   },
  79767 |   get: d,
```

View compiled
k_.vectorSubdivide
node_modules/bioblocks-viz/lib/index.js:79616

```
  79613 |     u < 0 && (u = 0), 1 < c && (c = 1), a.interpolateToVec(e, t, n, r,
u, a.vec1), a.interpolateToVec(e, t, n, r, c, a.vec2),
```

```
a.vec2.sub(a.vec1).normalize(), a.vec2.toArray(i, d);
  79614 |   }
  79615 | }, k_.prototype.vectorSubdivide = function (e, t, n, r, i) {
> 79616 |   for (var o, a = t.next(), s = t.next(), l = t.next(), u = t.size, c =
u - 1, d = r || 0, h = 0; h < c; ++h) {
        | ^  79617 |     o = a, a = s, s = l, l = t.next(), e.apply(this, [o, a,
s, l, n, d]), d += 3 * this.m;
  79618 |   }
  79619 |
```

View compiled
k_.getPosition
node_modules/bioblocks-viz/lib/index.js:79622

```
  79619 |
  79620 |   i && (o = t.get(u - 2), a = t.get(u - 1), s = t.get(0), l = t.get(1),
e.apply(this, [o, a, s, l, n, d]), d += 3 * this.m);
  79621 | }, k_.prototype.getPosition = function (e, t, n, r) {
> 79622 |   e.reset(), this.vectorSubdivide(this.interpolatePosition, e, t, n, r);
        | ^  79623 |   var i = e.size - 1,
  79624 |       o = i * this.m * 3;
  79625 |   r && (o += 3 * this.m);
```

View compiled
P_.getPosition
node_modules/bioblocks-viz/lib/index.js:79832

```
  79829 |   t.isCyclic && (n += 3 * e);
  79830 |   var r = new Float32Array(n),
  79831 |       i = this.positionIterator || this.getAtomIterator("trace",
this.smoothSheet);
> 79832 |   return this.interpolator.getPosition(i, r, 0, t.isCyclic), r;
        | ^  79833 | }, P_.prototype.getTangent = function () {
  79834 |   var e = this.subdiv,
  79835 |       t = this.polymer,
```

View compiled
P_.getSubdividedPosition
node_modules/bioblocks-viz/lib/index.js:79802

```
  79799 |   };
  79800 | }, P_.prototype.getSubdividedPosition = function () {
  79801 |   return {
> 79802 |     position: this.getPosition()
        | ^  79803 |   };
  79804 | }, P_.prototype.getSubdividedOrientation = function () {
  79805 |   var e = this.getTangent(),
```

View compiled
(anonymous function)
node_modules/bioblocks-viz/lib/index.js:80064

```
  80061 | r.push(e);
  80062 | var i = t.getSpline(e),
  80063 |     o = t.getAspectRatio(e),
> 80064 |     a = i.getSubdividedPosition(),
        | ^  80065 |     s = i.getSubdividedOrientation(),
  80066 |     l = i.getSubdividedColor(t.getColorParams()),
  80067 |     u = i.getSubdividedPicking(),
```

View compiled

Zv.eachPolymer
node_modules/bioblocks-viz/lib/index.js:74095

```
  74092 |   u.index = c.index, c.index = p;
  74093 |   var m = f ? u.backboneEndType : u.backboneType,
  74094 |       g = c.backboneType;
> 74095 |   f && (n = u.index, f = !1), r = c.index, 0 !== m && m === g ? (d.index
= u.backboneEndAtomIndex, h.index = c.backboneStartAtomIndex, d && h &&
d.connectedTo(h) && (!i || i(u) && i(c)) || (1 < u.index - n && e(new Yv(o, n,
u.index)), n = r)) : (0 !== m && 1 < u.index - n && e(new Yv(o, n, u.index)), n =
r);
        | ^  74096 | }
  74097 |
  74098 | 1 < r - n && this.structure.getResidueProxy(n).backboneEndType && e(new
Yv(o, n, r));
```

View compiled
(anonymous function)
node_modules/bioblocks-viz/lib/index.js:74179

```
  74176 | if (t && t.chainOnlyTest) {
  74177 |   var n = t.chainOnlyTest;
  74178 |   this.eachChain(function (r) {
> 74179 |     n(r) && r.eachPolymer(e, t);
        | ^  74180 |   });
  74181 | } else this.eachChain(function (n) {
  74182 |   n.eachPolymer(e, t);
```

View compiled
Jv.eachChain
node_modules/bioblocks-viz/lib/index.js:74198

```
  74195 |       i.index = l, e(i);
  74196 |     }
  74197 |   } else for (var u = r; u < o; ++u) {
> 74198 |     i.index = u, e(i);
        | ^  74199 |   }
  74200 | }, Jv.prototype.qualifiedName = function () {
  74201 |   return "/" + this.index;
```

View compiled
Jv.eachPolymer
node_modules/bioblocks-viz/lib/index.js:74178

```
  74175 | }, Jv.prototype.eachPolymer = function (e, t) {
  74176 |   if (t && t.chainOnlyTest) {
  74177 |     var n = t.chainOnlyTest;
> 74178 |     this.eachChain(function (r) {
        | ^  74179 |       n(r) && r.eachPolymer(e, t);
  74180 |     });
  74181 |   } else this.eachChain(function (n) {
```

View compiled
(anonymous function)
node_modules/bioblocks-viz/lib/index.js:74402

```
  74399 | if (t && t.modelOnlyTest) {
  74400 |   var n = t.modelOnlyTest;
  74401 |   this.eachModel(function (r) {
> 74402 |     n(r) && r.eachPolymer(e, t);
        | ^  74403 |   });
```

```
  74404 | } else this.eachModel(function (n) {
  74405 |   n.eachPolymer(e, t);
```

View compiled
ty.eachModel
node_modules/bioblocks-viz/lib/index.js:74420

```
  74417 | if (t && t.test) {
  74418 |   var i = t.modelOnlyTest;
  74419 |   if (i) for (var o = 0; o < n; ++o) {
> 74420 |     r.index = o, i(r) && e(r);
        | ^  74421 |   } else for (var a = 0; a < n; ++a) {
  74422 |     r.index = a, e(r);
  74423 |   }
```

View compiled
n.eachModel
node_modules/bioblocks-viz/lib/index.js:76631

```
  76628 | }, n.prototype.eachChain = function (e, t) {
  76629 |   this.structure.eachChain(e, this.getSelection(t));
  76630 | }, n.prototype.eachModel = function (e, t) {
> 76631 |   this.structure.eachModel(e, this.getSelection(t));
        | ^  76632 | }, n.prototype.getAtomSet = function (e, t) {
  76633 |   void 0 === t && (t = !1);
  76634 |   var n = this.structure.getAtomSet(e);
```

View compiled
n.ty.eachPolymer
node_modules/bioblocks-viz/lib/index.js:74401

```
  74398 | }, ty.prototype.eachPolymer = function (e, t) {
  74399 |   if (t && t.modelOnlyTest) {
  74400 |     var n = t.modelOnlyTest;
> 74401 |     this.eachModel(function (r) {
        | ^  74402 |       n(r) && r.eachPolymer(e, t);
  74403 |     });
  74404 |   } else this.eachModel(function (n) {
```

View compiled
n.createData
node_modules/bioblocks-viz/lib/index.js:80059

```
  80056 | var t = this,
  80057 |     n = [],
  80058 |     r = [];
> 80059 | return this.structure.eachPolymer(function (e) {
        | ^  80060 |   if (!(e.residueCount < 4)) {
  80061 |     r.push(e);
  80062 |     var i = t.getSpline(e),
```

View compiled
n.t.create
node_modules/bioblocks-viz/lib/index.js:78294

```
  78291 |       i && (i.sview = r, i.instanceList = t.getInstanceList(),
e.dataList.push(i));
  78292 |     }
  78293 |   });else {
> 78294 |     var n = this.createData(this.structureView, 0);
        | ^  78295 |     n && (n.sview = this.structureView,
```

```
this.dataList.push(n));
  78296 |   }
  78297 | } else this.needsBuild = !0;
```

View compiled
i
node_modules/bioblocks-viz/lib/index.js:66077

```
  66074 | t.Debug && Zc.time("Representation.make " + this.type);
  66075 |
  66076 | var i = function i() {
> 66077 |   e ? (r.update(e), r.viewer.requestRender(), r.tasks.decrement(), n &&
n()) : (r.clear(), r.create(), r.manualAttach || r.disposed || (t.Debug &&
Zc.time("Representation.attach " + r.type), r.attach(function () {
        | ^  66078 |     t.Debug && Zc.timeEnd("Representation.attach " + r.type),
r.tasks.decrement(), n && n();
  66079 |   }))), t.Debug && Zc.timeEnd("Representation.make " + r.type);
  66080 | };
```

View compiled
n.lf.make
node_modules/bioblocks-viz/lib/index.js:66082

```
  66079 |     }))), t.Debug && Zc.timeEnd("Representation.make " + r.type);
  66080 |   };
  66081 |
> 66082 |   this.toBePrepared ? this.prepare(i) : i();
        | ^  66083 | }, lf.prototype.attach = function (e) {
  66084 |   this.setVisibility(this.visible), e();
  66085 | }, lf.prototype.setVisibility = function (e, t) {
```

View compiled
n.lf.build
node_modules/bioblocks-viz/lib/index.js:66069

```
  66066 |   this.build();
  66067 | }, lf.prototype.build = function (e) {
  66068 |   if (!this.lazy || this.visible && this.opacity) {
> 66069 |     if (!this.toBePrepared) return this.tasks.increment(), void
this.make();
        | ^  66070 |     0 < this.queue.length() ? (this.tasks.change(1 -
this.queue.length()), this.queue.kill()) : this.tasks.increment(),
this.queue.push(e || !1);
  66071 |   } else this.lazyProps.build = !0;
  66072 | }, lf.prototype.make = function (e, n) {
```

View compiled
n.t.init
node_modules/bioblocks-viz/lib/index.js:78269

```
  78266 |       r = t || {};
  78267 |   r.colorScheme = wu(r.colorScheme, "element"), this.setRadius(r.radius,
r), this.radiusType = wu(r.radiusType, "vdw"), this.radiusData = wu(r.radiusData,
{}), this.radiusSize = wu(r.radiusSize, 1), this.radiusScale = wu(r.radiusScale,
1), this.assembly = wu(r.assembly, "default"), this.defaultAssembly =
wu(r.defaultAssembly, ""), "auto" === r.quality && (r.quality =
this.getQuality()), e.prototype.init.call(this, r),
this.selection.signals.stringChanged.add(function () {
  78268 |     n.build();
> 78269 |   }), this.build();
        | ^  78270 | }, t.prototype.setRadius = function (e, t) {
```

```
  78271 |   var n = Object.keys(jg);
  78272 |   return "string" == typeof e && n.includes(e.toLowerCase()) ?
t.radiusType = e : void 0 !== e && (t.radiusType = "size", t.radiusSize = e),
this;
```

View compiled
n.init
node_modules/bioblocks-viz/lib/index.js:80041

```
  80038 |
  80039 | return e && (n.__proto__ = e), ((n.prototype = Object.create(e &&
e.prototype)).constructor = n).prototype.init = function (t) {
  80040 |   var n = t || {};
> 80041 |   n.colorScheme = wu(n.colorScheme, "chainname"), n.colorScale =
wu(n.colorScale, "RdYlBu"), n.radiusType = wu(n.radiusType, "sstruc"),
n.radiusScale = wu(n.radiusScale, .7), n.useInteriorColor = wu(n.useInteriorColor,
!0), this.aspectRatio = wu(n.aspectRatio, 5), this.tension = wu(n.tension, NaN),
this.capped = wu(n.capped, !0), this.smoothSheet = wu(n.smoothSheet, !1), "low"
=== n.quality ? (this.subdiv = 3, this.radialSegments = 6) : "medium" ===
n.quality ? this.subdiv = 6 : "high" === n.quality ? this.subdiv = 12 :
this.subdiv = wu(n.subdiv, 6), e.prototype.init.call(this, n);
      | ^  80042 | }, n.prototype.getSplineParams = function (e) {
  80043 |   return Object.assign({
  80044 |     subdiv: this.subdiv,
```

View compiled
new n
node_modules/bioblocks-viz/lib/index.js:80036

```
  80033 |       type: "boolean",
  80034 |       rebuild: !0
  80035 |     }
> 80036 |   }, this.parameters), this.init(r);
      | ^  80037 | }
  80038 |
  80039 | return e && (n.__proto__ = e), ((n.prototype = Object.create(e &&
e.prototype)).constructor = n).prototype.init = function (t) {
```

View compiled
(anonymous function)
node_modules/bioblocks-viz/lib/index.js:75772

```
  75769 |     o = ly;
  75770 |   }
  75771 |
> 75772 |   var a = new o(n, r, i);
      | ^  75773 |   return t.Debug && Zc.timeEnd("makeRepresentation " + e), a;
  75774 | }(e, n, this.viewer, s),
  75775 |     u = new Dy(this.stage, l, o, this);
```

View compiled
t.Uy._addRepresentation
node_modules/bioblocks-viz/lib/index.js:75774

```
  75771 |
  75772 |   var a = new o(n, r, i);
  75773 |   return t.Debug && Zc.timeEnd("makeRepresentation " + e), a;
> 75774 | }(e, n, this.viewer, s),
      | ^  75775 |     u = new Dy(this.stage, l, o, this);
  75776 |
```

```
  75777 | return i || (this.reprList.push(u),
this.signals.representationAdded.dispatch(u)), u;
```

View compiled
t.addRepresentation
node_modules/bioblocks-viz/lib/index.js:76882

```
  76879 | var r = this;
  76880 | void 0 === t && (t = {}), void 0 === n && (n = !1), t.defaultAssembly =
this.parameters.defaultAssembly;
  76881 |
> 76882 | var i = this._addRepresentation(e, this.structureView, t, n);
        | ^  76883 |
  76884 | return n || i.signals.parametersChanged.add(function () {
  76885 |   return r.measureUpdate();
```

View compiled
_loop
src/components/results/StructureViewer.js:359

```
  356 | }
  357 |
  358 | structureComponent.removeAllRepresentations();
> 359 | structureComponent.addRepresentation("cartoon", {
      | ^  360 |   color: curColorScheme,
  361 |   assembly: SELECTED_ASSEMBLY
  362 |   // color: "residueindex"
```

View compiled
(anonymous function)
src/components/results/StructureViewer.js:332

```
  329 | }
  330 |
  331 | // iterate through all structure objects
> 332 | for (const structureComponent of stage.compList) {
      | ^  333 |   // get key assigned to structure when loading
  334 |   const structureKey = structureComponent.structure.key;
  335 |
```

View compiled